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MAY 31 - JUNE 6, 1991
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91ST ANNUAL MEETING
MAY 31—JUNE 6, 1991
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WELCOME TO SAN FRANCISCO! And welcome to the 1991 Annual Meeting of the Medical Library Association. The National Program Committee has planned a wonderful and stimulating meeting. It is rich in content, offering impressive speakers. Two distinguished editors, George D. Lundberg II, M.D., and Stephen P. Lock, M.D., will share the John P. McGovern Award Lectureship; and Nobel Prize winner Joshua Lederberg, M.D., Ph.D., will present the Joseph Leiter NLM/MLA Lecture. Sessions featuring many of our own members, including Lois Ann Colaianni, the 1991 Janet Doe Lecturer, will provide insight into a myriad of topics. Dozens of exciting exhibits will display the latest in vendor services and technologies. Two jointly sponsored symposia will be held on Thursday.

The meeting provides an opportunity to meet old friends and make new ones, to attend social events, and to enjoy the delights of San Francisco and northern California. I invite you to attend this year’s President’s Reception. I have chosen the theme “Our Students = Our Future,” and funds raised will be used as seed money to start student chapters of MLA, to offer travel scholarships to future MLA annual meetings, or to provide for lectureships in health sciences librarianship.

During this meeting, you will find opportunities to learn in the many continuing education courses, to hear the viewpoints of many speakers, and to give your opinions in open discussions and business meetings. Welcome!
THE 1991 NATIONAL PROGRAM COMMITTEE set forth its vision for MLA's 91st Annual Meeting two years ago in Boston. That vision recognized both the opportunity and the risk associated with significant departures from past programming practice. The NPC's guiding principle has been to build on a meeting structure that has been successful in the past, and to enhance that structure where possible. The result is a program that has a familiar feel while incorporating several important differences. We feel it is an exciting program, which includes the celebrated speakers noted by President McClure, as well as a wide variety of educational and professional opportunities.

To increase the visibility of our elected officials, the President's Address has been moved from a business session to the Opening Session. To enhance the role of MLA's loyal exhibitors and to recognize their substantial support of the association, the Welcome Reception and the Opening of the Hall of Exhibits have been combined into a single event. To alleviate the problem of early morning committee meetings each day of the annual meeting, more committee meetings have been scheduled for Saturday and Sunday morning. The traditional contributed paper sessions have become Contributed Paper Panels, illustrating the NPC's goal to provide more in-depth exposure to a topic. Indeed, the response to our request for papers was so great that four additional panels were added. With the hope of increasing attendance, a Sunrise Fiesta featuring complimentary coffee will precede the opening business session on Monday. To heighten the award experience, honors and awards will be presented at plenary sessions.

A call was issued to MLA sections, committees, groups, and members for topical program proposals, as has been done in the past. Five proposals were selected and will run concurrently on Tuesday afternoon. Section programming has become more and more sophisticated, and the demand for time at the annual meeting has increased. To address this demand, the NPC and the Section Council agreed that the majority of one full day of "prime-time" programming would be set aside for section programs. The response has been nothing short of stupendous, and now Wednesday offers an extensive array of exciting section-planned programs and events.

It is our sincere hope that this annual meeting in the wonderful city of San Francisco will provide an environment in which you can expand your professional horizons. We invite you to experience your meeting to the fullest! Appearing elsewhere in this program are the names of the members of the NPC, the Local Assistance Committee, and its subcommittees—MLA members who proudly share the credit for this dynamic meeting. Let us know what you think of our efforts!
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Academy of Health Information Professionals Consultations
The Credentialing Committee and the Professional Recognition Review Panel will be available from 6:00 P.M. to 7:00 P.M. on Monday, June 3, in the Monterey B room on the fourth floor to consult with members who have specific questions on the academy application process or requirements. No portfolios will be accepted or reviewed at this session.

Building Networks with Colleague Connection
The Membership Committee is sponsoring the Colleague Connection program for new members and first-time meeting 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 in the program was May 1, 1991; for an “emergency connection” or to help a new colleague, contact Leilani St. Anna at the New Member/First-Time Attendee Orientation in Continental 7 and 8 on B level (Sunday, June 2, 8:00 A.M.).

Chapter Sharing Roundtables and Luncheon
Roundtable discussions and a luncheon are scheduled for Tuesday, June 4, from 11:30 A.M. to 1:00 P.M. (Plaza B, B level) as an opportunity for chapter members to share experiences and expertise informally with members of other chapters. Discussions will concentrate on specific areas of interest such as continuing education, governmental relations, research, bylaws, honors and awards, program planning, membership, finance, relation of chapters to MLA, and officer responsibilities. There will also be a discussion group for representatives of state groups. Facilitators and appropriate resource people will be available to answer specific questions. A box lunch is available for $16.50, but you do not need to attend the luncheon to take part in a roundtable discussion. Please inquire at the Registration Center if you wish to participate in this event.

Child Care
Child care can be arranged through the Bay Area Babysitting Agency at 415/991-7474. Please note: This agency is NOT associated with the Medical Library Association and any use of such is strictly by agreement between the provider and the user. MLA disclaims any liability for the use of child care services.

Exhibit 1991
The MLA Hall of Exhibits is located in the Grand Ballroom of the San Francisco Hilton. The Hall of Exhibits will open Sunday, June 2, with a gala Welcome Reception and Opening of the Hall of Exhibits from 6:00 P.M. to 8:00 P.M. This year’s exhibit features more than 100 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.

Hall of Exhibit Hours
Sunday, June 2  6:00 P.M.-8:00 P.M.
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Monday, June 3  10:00 A.M.-5:00 P.M.
Tuesday, June 4  10:00 A.M.-5:00 P.M.
Wednesday, June 5  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 phone number (along with a brief description of exhibited items) is listed, beginning on page 59. Use this section to plan your visits to the MLA Hall of Exhibits.

Film Festival
Coordinated by the Educational Media and Technologies Section, the 1991 Film Festival will feature award-winning films from the Health Sciences Communication Association’s (HeSCA) Film Festival. Films will be screened Monday, June 3, in the Sausalito room on the fourth floor. A drawing for free videos, generously donated by vendors, will be held at each session. Only those present will be eligible to win. Title listings are included with your registration materials, as well as the time and place of the showings. Extra schedules are available at the Registration Center.

Guide to Libraries
Copies of "A Guide to Libraries," a list of health sciences libraries in the San Francisco Area that are open to visitors during the 1991 Annual Meeting, is available at the MLA Hospitality Center in the registration area.
Handicapped Access
All rooms in the San Francisco Hilton are accessible to handicapped individuals. Those requiring special assistance should notify the MLA Office located in the Powell room, on the sixth floor (see “MLA Office,” page 11, for hours).

Honors and Awards
In a departure from tradition, the 1991 Annual Meeting does not include a separate Honors and Awards Ceremony. Instead, the presentation of honors and awards will be appended to business and plenary sessions as indicated in the "Daily Program."

Hospitality Center
The Local Assistance Committee welcomes you to San Francisco and invites you to visit the Hospitality Center, located in the East Lounge on B level. Committee members will be happy to answer any questions you may have on the San Francisco area and provide information on local restaurants, points of interest, tips on shopping, or just some friendly conversation.

Hospitality Center Hours
Thursday, May 30 4:00 P.M. - 8:00 P.M.
Friday, May 31 8:00 A.M. - 8:00 P.M.
Saturday, June 1 8:00 A.M. - 8:00 P.M.
Sunday, June 2 8:00 A.M. - 6:00 P.M.
Monday, June 3 8:00 A.M. - 6:00 P.M.
Tuesday, June 4 8:00 A.M. - 6:00 P.M.
Wednesday, June 5 8:00 A.M. - 4:00 P.M.

Instructors Breakfast
Instructors of MLA courses and members interested in becoming MLA instructors are invited to attend the Instructors Breakfast, 7:00 A.M. - 8:00 A.M., on Wednesday, June 5, in Imperial Ballroom A on B level. The continental breakfast provides an opportunity for current and potential MLA instructors to share ideas with others who teach the same or similar courses. To purchase tickets ($15.00 each) on-site, please inquire at the Registration Center.

The Instructors Breakfast is sponsored by the Continuing Education Committee’s Instructor Approval, Evaluation, and Support Subcommittee.

Job Market
Improve your chances of finding the right job, learn new skills for your library, and learn about MLA’s new information network “IN-MLA”—all through the MLA Job Market! Let the experts help you in sessions on Monday, June 3, and Wednesday, June 5, in the Monterey A room on the fourth floor. For further information, check the "Daily Program" or stop by the Placement Service in the Tower room on the Lobby level.

Learn the “Nuts and Bolts”—Annual Meeting Orientation
Attend the New Member/First-Time Attendee and International Visitor Orientation and Reception. MLA’s Membership Committee and International Cooperation Section extend a warm welcome to all new members, first-time meeting attendees, and international visitors! As your first meeting can be a bit overwhelming, join experienced members for a special orientation on Sunday, June 2, at 8:00 A.M. in Continental 7 and 8 on B level.

The orientation and reception is partially funded by BRS Information Technologies.

Lost and Found
Please return lost-and-found items to the MLA Office located in the Powell room, on the sixth floor (see “MLA Office,” page 11, for hours).

Lunch and Learn
This new feature of the annual meeting was developed in response to the need for more opportunities to learn what’s new in the health sciences information industry. These professional and educational workshops allow exhibitors to demonstrate new products and services of interest to the MLA membership. Lunch and Learn sessions are scheduled for Monday, June 3, and Tuesday, June 4, from NOON-12:45 P.M. Please see the "Daily Program" for detailed information about each day’s sessions. Attractive and inexpensive box lunches will be available for “cash and carry” in the Hall of Exhibits. This will allow attendees to enjoy lunch while attending the workshops.

Member Resource Room
For your convenience, typewriters, a photocopier, and an IBM-compatible PC (with tractor-feed printer) are available for association business in the Member Resource Room. Sign-up sheets for equipment will be available in the resource room. WordPerfect 5.0 is available for your word-processing needs, but you must provide your own 5 1/4" diskettes. The Member Resource Room is located in the Lombard room on the sixth floor.

Member Resource Room Hours
Saturday, June 1 7:30 A.M.-NOON
Sunday, June 2 1:00 P.M.-5:30 P.M.
Wednesday, June 5 7:00 A.M.-NOON
1:00 P.M.-6:00 P.M.

Sponsored by Login Brothers Book Company
Membership Open Forum—
"Your Thoughts Count!"
Join the Membership Committee and members of the Board of Directors for stimulating and lively discussion of alternative dues and benefit structures. Your ideas, feedback, and questions are welcome at this session on Sunday, June 2, from 8:00 P.M. to 9:00 P.M. (immediately following the Welcome Reception), in the Plaza Ballroom on the Lobby level.

Message Center
The attendee message center and bulletin boards for all MLA official announcements are located near the Hospitality Center, in the East Lounge on the B 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 display items or titles through the Registration Center. The MLA Booth is located in the East Lounge on the B level (in the registration area).

MLA Booth Hours
Saturday, June 1 10:00 A.M.-5:00 P.M.
Sunday, June 2 10:00 A.M.-1:00 P.M.
Monday, June 3 3:00 P.M.-5:00 P.M.
Tuesday, June 4 10:00 A.M.-5:00 P.M.
Wednesday, June 5 10:00 A.M.-4:00 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, June 3, through Wednesday, June 5. All coffee breaks will also be served in the MLA Garden Cafe.

MLA Office
The MLA Office is located in the Powell room on the sixth floor. You may leave messages for members of the Board of Directors and MLA staff there.

MLA Office Hours
Wednesday, May 29 7:30 A.M.-NOON
Thursday, May 30 7:30 A.M.-NOON
Friday, May 31 7:30 A.M.-NOON
Saturday, June 1 7:30 A.M.-NOON
Sunday, June 2 7:00 A.M.-NOON
Monday, June 3 7:00 A.M.-6:00 P.M.

Tuesday, June 4 7:00 A.M.-NOON
Wednesday, June 5 7:30 A.M.-NOON
Thursday, June 6 7:00 A.M.-NOON
Friday, June 7 7:30 A.M.-NOON

Morning Walk
This is your chance to explore San Francisco in the early morning hours with your friends and colleagues. All interested attendees are invited to this early morning walk at 6:30 A.M. on Tuesday, June 4, and Wednesday, June 5, sponsored by Majors Scientific Books, Inc. Please meet in the lobby of the San Francisco Hilton.

Newsletter
The 1991 Annual Meeting newsletter, Bay City Beat, will be published on Sunday, Monday, Tuesday, and Wednesday. Attendees are invited to submit items for publication. Instructions for publishing items in the newsletter are available at the Hospitality Center. Please note: copy must be submitted to the Hospitality Center no later than 1:00 P.M. on the day preceding publication.

1992 Annual Meeting
The 92d Annual Meeting of the Medical Library Association will be held in Washington, D.C., Sunday, May 17, through Wednesday, May 20, 1992, at the Sheraton Washington Hotel. A call for participation in the 1992 program is included with your registration materials.

The 1992 NPC invites you to stop by Booth 217/218 in the MLA Hall of Exhibits for additional information and the opportunity to enter a raffle and win one of the NPC’s many exciting prizes. The committee will be extending a formal invitation to the 1992 Annual Meeting during Business Session III (Wednesday, June 5, 5:00 P.M.-6:00 P.M.)

1992 Planning Grid
Curious about the Planning Grid located in the registration area? It is your tool for submitting new ideas for programs, short educational workshops, posters, or papers for the 1992 Annual Meeting in Washington, D.C. Sections can use it for joint programming possibilities. Committee chairs can list important meetings to avoid scheduling conflicts. Yes, you can still submit your proposal during the 1991 Annual Meeting; instructions for submission will be posted at the grid. If you have a questions about using the Planning Grid, join members of the 1992 NPC for a meeting on Monday evening, June 3, in Franciscan A on B level, from 5:45 P.M. to 7:30 P.M.
Place of Job Opportunities and Applicant Availability forms
will be on sale beginning Wednesday, June 5.

Postconference Symposia

Unified Medical Language System (UMLS) and Its Applications for Integrated Academic Information Management Systems (IAIMS)
MLA has collaborated with the American Medical Informatics Association (AMIA) to hold AMIA's Second Annual Education and Research Conference in conjunction with MLA's Annual Meeting. The two associations are cosponsoring a one-day symposium on Thursday, June 6, from 8:30 A.M. to 5:00 P.M., titled "Unified Medical Language System (UMLS) and Its Applications for Integrated Academic Information Management Systems (IAIMS)." Room assignments are listed in the "Daily Program." For on-site registration information, please inquire at the Registration Center. Fee: $110.00 (lunch not included).

The Research Process: From Proposal Writing to Publication
MLA and the Library Research Section will cosponsor a symposium titled, "The Research Process: From Proposal Writing to Publication" on Thursday, June 6, from 9:00 A.M. to 4:30 P.M. Room assignments are listed in the "Daily Program." For on-site registration information, please inquire at the Registration Center. Fee: $110.00 (includes lunch).

Public Transportation
A representative from MUNI, the San Francisco public transportation system that runs the cable cars and bus system, will have a desk in the MLA Registration Center on Saturday, June 1, and Sunday, June 2, from 10:00 A.M. to 2:00 P.M. Discount tickets will be available for sale, as well as information on the system.

Restaurant Reservations
Reservations Tonight! will have a desk in the registration area near the MLA Hospitality Center to make dinner reservations for you.

Reservations Tonight! Hours
Friday, May 31 __________ NOON-6:00 P.M.
Saturday, June 1 __________ NOON-6:00 P.M.
Sunday, June 2 __________ 8:30 A.M.-6:00 P.M.
Monday, June 3 __________ 8:30 A.M.-6:00 P.M.
Tuesday, June 4 __________ 8:30 A.M.-6:00 P.M.

Ribbons, Badges, and Buttons
Color-coded badges and ribbons are provided to assist you in identifying the roles and responsibilities of each registrant. Asterisk buttons indicate a registrant's membership and level in the Academy of Health Information Professionals.

Ribbons
Brown __________ Presenters
Dark blue _________ Chapter Council representatives and alternates, chapter chairmen
Light blue _________ Committee chairmen, committee members, and representatives to allied organizations
Gold __________ Membership Committee
Dark green _________ Section Council representatives and alternates, section chairmen
Light green _________ First-time attendees, new members, guests
Lavender __________ International Cooperation Committee, international visitors
Maroon __________ Fellows, honorary members
Orange __________ MLA staff
Pink __________ Local Assistance Committee, Hospitality Committee, volunteers
Purple __________ Exhibitors
Red __________ Sponsors
Rose __________ National Program Committee
Silver __________ Past presidents
Yellow __________ MLA-approved instructors, speakers, moderators
White __________ Officers, Board of Directors, appointed officers
Standards. However, to be prepared in case of a fire emergency, keep these measures in mind:

**Fire**
All conference hotel facilities meet local fire regulation requirements. After you have requested emergency help, track your location and the type of emergency help that you require. If you have requested emergency help, please notify the MLA Office.

**Emergencies**
If an emergency occurs while you are in the hotel, dial "0" for the hotel operator or "444" for security. State your location and the type of emergency help that you require. After you have requested emergency help, please notify the MLA Office.

**Precautions**
All conference hotel facilities meet local fire regulation standards. However, to be prepared in case of a fire emergency, keep these measures in mind:

- 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, close the door behind you, get to safety, 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.

**Walking San Francisco**
As in all large cities, there are certain areas of San Francisco that a prudent visitor who doesn't know the city should avoid. It is suggested that you not walk south of the San Francisco Hilton, particularly after dark. The areas east (toward Union Square) or north (up the hill) of the San Francisco Hilton are considered safer. Some other suggestions:

- Do not wear your badge outside the hotel. It identifies you as a visitor.
- Carry handbags securely; place wallets inside jacket pockets.
- Do not carry excess cash. The San Francisco Hilton provides safety deposit boxes. Use them for storing extra cash, jewelry, airline tickets, and any other valuables.

**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 Center and is open Sunday, June 2, through Wednesday, June 5, 9:00 A.M.-4:00 P.M.

**Section Breakfast/Luncheons**
The following MLA sections are offering special breakfast or luncheon meetings. You may purchase tickets for these events at the Registration Center.

**Chiropractic Libraries Section**
A continental breakfast will be served on Wednesday, June 5, at 7:30 A.M., in the Marin room on the fourth floor, followed by the section business meeting and a program focusing on the state of chiropractic indexing and abstracting services. Tickets are $15.00 each.

**Hospital Libraries Section**
This section will host a box lunch and business session on Wednesday, June 5, at 11:30 A.M. in Continental 6 on the B level. Tickets are $16.50 each. Please inquire at the Registration Center if you wish to attend the business session but not the lunch.

**Medical Society Libraries Section**
The box lunch and program on Wednesday, June 5, NOON-2:00 P.M. in the Belmont room on the fourth floor, deals with the California Medical Association's pioneering role in the development of AIDS policy. Tickets are $16.50 each. Please inquire at the Registration Center if you wish to attend the program but not the lunch.

**Pharmacy and Drug Information Section**
A luncheon and the Excerpta Medica Lecture will be held on Wednesday, June 5, 11:30 A.M.-1:30 P.M. in Franciscan C on B level. Murray B. Gardner, M.D., Director, Center for AIDS Research, University of California–Davis, Davis, CA, is the 1991 Excerpta Medica Lecturer. This lecture is sponsored by the section and the Excerpta Medica Publishing Group of Elsevier Science Publishers. Tickets are $28.00 each.

**Social Events**

**Welcome Reception and Opening of the Hall of Exhibits**
We invite all MLA members, guests, and friends to assemble by 6:00 P.M. on Sunday, June 2, in the Yosemite Ballroom, on B level in Building 2. Here you will be greeted with a few words of welcome followed by the entrance of the Chinese Lion Dancers, who will lead our group with drums, cymbals, and gong into the Hall of Exhibits for the Welcome Reception. Say hello to old friends, view a demonstration of Chinese wok cooking, and see what's new in health sciences information. Additional tickets to the Welcome Reception and Opening of
Sunrise Fiesta
For a festive beginning to a busy day, mix steaming fresh coffee with a dash of early morning sunshine. Add friends, colleagues, and good conversation to taste. A pinch of south-of-the-border hospitality will create the perfect morning wake-up in the Imperial Ballroom prior to the 7:30 A.M. Business Session I on Monday, June 3. A reasonably priced and appetizing express breakfast will be available 7:00 A.M.-7:30 A.M.

Coffee compliments of BRS Information Technologies and EBSCO Subscription Services.

President's Reception
Our Students = Our Future
On Tuesday, June 4, from 6:30 P.M. to 8:30 P.M., President Lucretia W. McClure invites you to join her at the University of California–San Francisco Library for a unique evening to benefit an excellent cause. Enjoy this distinctive setting (featured in the April 1991 issue of the Bulletin of the Medical Library Association) while sampling California wines (donated by physicians and scholars who own and operate their own vineyards) and savoring a selection of delicious hors d'oeuvres. An unusual and enjoyable touch will be a trio of harpists who will provide music for this special evening. Proceeds from the evening will be used to establish MLA student chapters and develop programs to involve students in the association. Tickets are still available at the Registration Center. Your $35.00 donation is tax deductible to the extent allowed by law.

Transportation will be available, departing at 6:00 P.M. from the Taylor Street entrance of the San Francisco Hilton.

Physicians and Scholars Donating Wines

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<tr>
<th>Producer</th>
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<td>Joseph Roche, M.D.</td>
<td>Rochelle Schmalz</td>
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<td>Roche Carneros Estate Winery</td>
<td>St. Mary's Hospital and</td>
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<td>Bradley C. Brownson, M.D.</td>
<td>Sally Chu</td>
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<td>Little River, CA</td>
<td>Mills-Peninsula Hospital</td>
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<td>James Lapsley</td>
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<td>Orleans Hill Winery</td>
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<td>Larry Turley, M.D.</td>
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<td>Frog's Leap</td>
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<td>Mel Cellini</td>
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<td>The Bisceglia Brothers</td>
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<td>Canandaigua Wine Company</td>
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Farewell Party
Bring the 1991 Annual Meeting to a close on Wednesday, June 5, 6:30 P.M.-8:00 P.M., among the world's finest collection of cable cars and cable car memorabilia, at the Cable Car Museum, Powerhouse and Car Barn, the hub of San Francisco's cable car system. Enjoy hors d'oeuvres, your choice of beverages, and a Dixieland band as you say goodbye to friends and colleagues. To get you in the mood, continuous shuttle transportation will be provided.
by motorized cable cars. Departure will be from the Taylor Street entrance of the San Francisco Hilton, beginning at 6:15 P.M. Tickets for this event are available at the Registration Center for $40.00.

MLA wishes to express its appreciation to EBSCO Subscription Services for its support of the Farewell Party.

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.

The McGovern, Doe, and Leiter Lectures will be videotaped. After the annual meeting, videotapes will be available to chapters and regional medical libraries for educational purposes from MLA headquarters. The videotaping is sponsored by Ballen Booksellers International.

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 and the Farewell Party are included in the inclusive-conference fee. The conference-only fee includes one ticket to the Welcome Reception. You may purchase additional tickets for any of these events prior to the deadlines noted below. If you have any questions about special events or tickets, please inquire at the Registration Center.

<table>
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<tr>
<th>Event/Date</th>
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<tr>
<td>Welcome Reception, Sunday, June 2</td>
<td>$20.00, NOON, Sunday</td>
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<td>Farewell Party, Wednesday, June 5</td>
<td>$40.00, NOON, Tuesday</td>
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<td>President’s Reception, Tuesday, June 4</td>
<td>$35.00, NOON, Monday</td>
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<td>Chapter Sharing Roundtables and Luncheon, Tuesday, June 4</td>
<td>$16.50, NOON, Monday</td>
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<td>Instructors Breakfast, Wednesday, June 5</td>
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<td>Pharmacy and Drug Information Luncheon, Wednesday, June 5</td>
<td>$28.00, NOON, Tuesday</td>
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Make your search for health care information easier

Today's complex health care field affects every business and organization. Corporate, academic, government, and health care personnel need up-to-date information. Hospital Literature Index can help you find it.

**Comprehensive** The primary guide to hospital and health care literature, it indexes articles from more than 3,000 journals. You'll locate citations easily using the 1,200 subject headings.

**Reliable** Published by the American Hospital Association, in cooperation with the National Library of Medicine, it's the foremost health care planning bibliographic publication.

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To order a subscription to the 1991 Hospital Literature Index, mail your purchase order to: American Hospital Publishing, Inc., 211 East Chicago Avenue, Chicago, Illinois 60611 Or call toll-free 800-621-6902 (Illinois 312/440-6800).

Questions about the Index? Call the American Hospital Association Resource Center at 312/280-6266.

American Hospital Association

Visit us at the American Hospital Association booth
ALL CONTINUING EDUCATION courses will be held in the San Francisco Hilton. To register on-site, inquire at the Registration Center. Room assignments are listed below. Instructors' names are in parentheses. Please note that course numbers have been changed in the past year to correspond with the ten core areas of the Academy of Health Information Professionals.

Friday, May 31

CE 004—Oncology: Concepts and Resources (Seltzer), 8:00 A.M.-5:00 P.M., Yosemite A, B level

CE 401—Introduction to Microcomputers and Hard Disk Management (Murray and Way), 8:00 A.M.-5:00 P.M., Imperial A, B level

CE 606—Teaching the Adult Learner in the Library Setting (Press), 8:00 A.M.-5:00 P.M. (day 1), Imperial B, B level

CE 908—AIDS: Concepts and Resources (Ginn and Stevens), 8:00 A.M.-5:00 P.M., Franciscan B, B level

NP 100—Effective Leadership in Complex Organizations (Staff, Institute of Cultural Affairs), 8:00 A.M.-5:00 P.M. (day 1), Plaza A, Lobby level

NP 101—Getting Your Ideas Across: Communication Skills for Information Providers (Brown), 8:00 A.M.-5:00 P.M., Franciscan C, B level

NP 102—Management Strategies for the One-Person/Minimal Staff Library (St. Clair), 8:00 A.M.-5:00 P.M. (day 1), Franciscan A, B level

NP 103—Reading and Evaluating Reports of Clinical Research: A Basic Introduction (Fuller), 8:00 A.M.-5:00 P.M., Franciscan D, B level

NP 105A—Total Quality Management for Libraries (Buchanan), 8:00 A.M.-5:00 P.M., Yosemite C, B level

NP 106—Installing and Managing CD-ROM Databases (Silver and Murphy), 8:00 A.M.-5:00 P.M., Yosemite B, B level

Saturday, June 1

CE 201—Understanding and Using Medical Terminology (Peloquin), 8:00 A.M.-5:00 P.M., Franciscan B, B level

CE 601—Basic Library Management (Bell), 8:00 A.M.-5:00 P.M., Franciscan C, B level

CE 606—Teaching the Adult Learner in the Library Setting (Press), 8:00 A.M.-5:00 P.M. (day 2), Imperial B, B level

CE 607—Getting Funded: Developing Skills in Proposal Writing (Rees), 8:00 A.M.-5:00 P.M., Yosemite B, B level

CE 911—Nursing Information Access: Library Service for the Nursing Profession (Allen), 8:00 A.M.-5:00 P.M., Yosemite A, B level

CE 912—Geriatric and Gerontology Information Resources (Dahlen), 8:00 A.M.-5:00 P.M., Franciscan D, B level

NP 100—Effective Leadership in Complex Organizations (Staff, Institute of Cultural Affairs), 8:00 A.M.-5:00 P.M. (day 2), Plaza A, Lobby level

NP 102—Management Strategies for the One-Person/Minimal Staff Library (St. Clair), 8:00 A.M.-5:00 P.M. (day 2), Franciscan A, B level

NP 105B—Total Quality Management for Libraries (Buchanan), 8:00 A.M.-5:00 P.M., Yosemite C, B level

NP 107—Issues in Information Malpractice (Puckett and Ashley), 1:00 P.M.-5:00 P.M., Cypress, 4th floor

NP 108—Management Communication in Information Organizations (White), 8:00 A.M.-5:00 P.M., Tiburon, 4th floor

NP 109—Database Design and Construction (Batty), 8:00 A.M.-5:00 P.M., Imperial A, B level

NP 111—Dealing with Difficult People (Baxter), 1:00 P.M.-5:00 P.M., Toyon, 4th floor

NP 114—The Basics of Local Area Networks (Hayden), 8:00 A.M.-5:00 P.M., Walnut, 4th floor
Sunday, June 2

NP 112B—Integrated Multifunction Systems for Small Libraries (Boss), 8:00 A.M.–NOON, Franciscan A, B level

NP 117—Power and Influence (Baxter), 8:00 A.M.–NOON, Franciscan B and C, B level

NP 118—Using the PDQ Database (Staff, National Cancer Institute), 8:00 A.M.–NOON, Yosemite B, B level

NP 119—The Structure of Medical Information (Tuttle, Cole, and Nelson), 8:00 A.M.–NOON, Franciscan D, B level

NP 121—How Tos for Aspiring Advocates: Securing and Making the Most of Your Contacts in Washington (Forster), 8:00 A.M.–NOON, Tiburon, 4th floor

NP 122—Biotechnology: The Emerging NLM Databases (Staff, National Library of Medicine), 8:00 A.M.–NOON, Belmont, 4th floor

NP 123—Preservation Decision Making for Printed Materials (Byrnes), 8:00 A.M.–NOON, Yosemite C, B level

Now you can use a few square inches of counter space to support a full serials management system. Remo, the first microcomputer based software package handles the full range of serials management functions. Remo offers automated claiming, routing management, analysis and user generated custom reports in a stand alone or network configuration.

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Find out how Remo can help you reduce your serials management problems. Write for further information or call us at (800) 221-3306.
Association Publishers, a division of Scarecrow Press, is pleased to become the publishing partner of the Medical Library Association. These two organizations have now combined their individual talents to bring the best in books and services to the members of MLA and to the library and medical information fields as well.

Scarecrow Press, a subsidiary of Grolier Inc., has long been associated with bibliographies and with library science publications. Founder Dr. Ralph Shaw established Scarecrow Press to prove that scholarly books for a small market could be published without subsidy and produce profits for the publisher and royalties for the author.

To assist associations such as MLA, Scarecrow has established a separate division, Association Publishers, to serve as a publishing unit for associations—a unit geared to the concerns and needs of each association.

Through this joint publishing effort, MLA will continue to develop and edit all manuscripts to ensure the high quality of their contents, while Association Publishers will handle production, marketing, and order fulfillment. The combined effort will be called MLA/Association Publishers.

As part of this arrangement, Association Publishers is now handling the fulfillment of the backlist of MLA book titles. To expedite the fulfillment of future orders, please contact Association Publishers/Scarecrow Press:

P.O. Box 4167
Metuchen, NJ 08840
1-800-537-7107 • 908-548-8600

Come visit us at Booth #208 for special convention discounts.
You probably know VCH Publishers (formerly Verlag Chemie) as a well-respected name in sci-tech publishing, especially chemistry.

You may not know VCH Publishers as a publisher and distributor of English-language books and journals in medicine and related disciplines.

Therefore, we invite you to visit our booth to learn more about the publications available from us, including the ones listed below.

**IMMUNOTHERAPY AND VACCINES**
Stanley Crzy, Editor
January, 1991 0-89573-969-0
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**Wednesday, May 29**

8:00 A.M.–3:00 P.M.
Strategic Planning (Board of Directors)
Mason, 6th floor

3:00 P.M.–5:00 P.M.
Committee on Committees
Belmont, 4th floor

**Thursday, May 30**

8:00 A.M.–NOON
Board of Directors Orientation
Mason, 6th floor

1:00 P.M.–5:00 P.M.
Finance Committee
Mason, 6th floor

**Friday, May 31**

8:00 A.M.–5:00 P.M.
Board of Directors
Mason, 6th floor

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

**Saturday, June 1**

8:00 A.M.–NOON
1993 National Program Committee
Mason B, 6th floor

8:00 A.M.–5:00 P.M.
Continuing Education Courses
(See page 16 for room assignments.)
Books Panel
Tamalpais, 4th floor
Continuing Education Committee
Whitney, 4th floor
Credentialing Committee
Shasta, 4th floor

8:30 A.M.–4:30 P.M.
Nominating Committee
Executive Boardroom, B level

1:00 P.M.–4:00 P.M.
Placement Service
Tower, Lobby level

**Sunday, June 2**

7:00 A.M.–9:00 A.M.
Awards Committee
Toyon, Lobby level
Credentialing Committee
Belvedere B, 4th floor
International Cooperation Committee
Walnut, 4th floor
Status and Economic Interests of Health Sciences
Library Personnel Committee
Belvedere A, 4th floor

7:00 A.M.–11:00 A.M.
Publications Committee
Saratoga, 4th floor

8:00 A.M.–10:00 A.M.
New Member, First-Time Attendee, and International Visitor Orientation and Reception
Continental 6, B level
Sponsored in part by BRS Information Technologies.

8:00 A.M.–11:00 A.M.
Chapter Council
Continental 9, B level
Section Council
Continental 4, B level

8:00 A.M.–NOON
Continuing Education Courses
(See page 17 for room assignments.)

9:00 A.M.–10:00 A.M.
Placement Service Orientation
Tower, Lobby level

9:00 A.M.–11:00 A.M.
Ad Hoc Committee on the Position of Hospital Libraries
Diablo, 4th floor
Continuing Education Opportunity Review Subcommittee
Continental 2, B level

Governmental Relations Committee
Walnut, 4th floor

Grants and Scholarship Committee
Toyon, 4th floor

Oral History Committee
Teakwood, 4th floor

9:00 A.M.—NOON
Continuing Education Instructional Development Subcommittee
Continental 3

10:00 A.M.—4:00 P.M.
Placement Service
Tower, Lobby level

11:30 A.M.—1:00 P.M.
Section Council Luncheon and Orientation
Continental 7 and 8, B level
New Leaders Brunch
Imperial Ballroom, B level

1:15 P.M.—2:30 P.M.
Opening Session
Continental Ballroom, B level

Welcoming Remarks
Daniel T. Richards, Chairman, 1991 National Program Committee, and Collection Development Officer, National Library of Medicine, Bethesda, MD; and Jacqueline Wilson, Chairman, Local Assistance Committee 1991, and Head, Resource Services, The Library, University of California—San Francisco, San Francisco, CA

Presidential Address
“The Vesalius Connection”
Lucretia W. McClure, President, Medical Library Association, and Medical Librarian and Associate Professor of Medical Bibliography, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, NY

Presentation of Awards
Award for Excellence and Achievement in Hospital Librarianship
Pamela Jean Jajko, Director, Library and Information Center, El Camino Hospital, Mountain View, CA

Estelle Brodman Award for the Academic Medical Librarian of the Year
Richard E. Lucier, formerly Director, William H. Welch Medical Library, Laboratory for Applied Research in Academic Information, and Associate Director and Research Associate, Department of Medicine, Division of Medical Genetics, Johns Hopkins University School of Medicine, Baltimore, MD, designated University Librarian and Assistant Vice-Chancellor for Academic Information Management, University of California—San Francisco, San Francisco, CA

Louise Darling Medal for Distinguished Achievement in Collection Development in the Health Sciences
Dottie Eakin, Director, Medical Sciences Library, Texas A & M University, College Station, TX

MLA Award for Distinguished Public Service
Senator Dale Bumpers, Charleston, Arkansas

Cunningham Memorial International Fellowship
1990: Sally Anne Montserin, Medical Librarian, Ministry of Health, Port of Spain, Trinidad and Tobago
1991: Ruihong Zhang, Librarian, Medical Library of PLA, Beijing, People’s Republic of China

Retiring Bulletin Editor Award
Irwin H. Pizer, Chicago, IL

2:30 P.M.—4:30 P.M.
Plenary Session I
Continental Ballroom, B level

The John P. McGovern Award Lecture
“The Future of Biomedical Information”
Moderator: Kathryn J. Hoffman, Director, University of Texas Southwestern Medical Center Library, Dallas, TX
Presenters: George D. Lundberg II, M.D., Editor, JAMA, Chicago, IL, and Stephen P. Lock, M.D., Editor, British Medical Journal, London, England

Panel Response
Rachael K. Anderson, Director, Arizona Health Sciences Library, University of Arizona, Tucson, AZ
Ruth Holst, Director of Library Services, Columbia Hospital, Milwaukee, WI
J. Michael Homan, Assistant University Librarian for Sciences, University of California—Irvin, Irvine, CA
Nina W. Matheson, Director, William H. Welch Medical Library, and Associate Professor of Medical Information, Johns Hopkins University, Baltimore, MD
Bernie Todd Smith, Director, Werner Health Science Library, Rochester General Hospital, Rochester, NY

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Presentation of Award
John P. McGovern Award
4:45 P.M.-5:45 P.M.
"Fast Break" Sharing Sessions with MLA Leaders
Join a small group of your colleagues in a discussion of the issues raised during the Opening Session. A list of session leaders appears on pages 76-7.

6:00 P.M.-8:00 P.M.
Welcome Reception and Opening of the Hall of Exhibits
Yosemite Ballroom, B level

8:00 P.M.-9:00 P.M.
Membership Open Forum
Plaza Ballroom, Lobby level

Monday, June 3

7:00 A.M.-7:30 A.M.
Sunrise Fiesta
Imperial Ballroom, B level
To set the stage for Business Session I, enjoy complimentary coffee and an opportunity to talk with members of the Board of Directors. An express breakfast will be available for those who wish to purchase it.

Coffee compliments of BRS Information Technologies and EBSCO Subscription Services.

7:30 A.M.-9:00 A.M.
Business Session I
Continental Ballroom, B level
Presiding: Lucretia W. McClure, President, Medical Library Association, and Medical Librarian and Associate Professor of Medical Bibliography, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, New York.

Remarks by Guy St. Clair, President-Elect, Special Libraries Association, and President, One-Person Library Training Consultancy, Washington, D.C.

Announcements and Introductions by Raymond A. Palmer, Executive Director. Marjorie Vinzant, Professional Parliamentarian; David S. Curry, MLA Parliamentarian; and Mary E. Helms, Sergeant-at-Arms, will be introduced.

In Memoriam by Raymond A. Palmer

New Member Recognition by Raymond A. Palmer

Call to order by Lucretia W. McClure

Announcement of Election Results by Lucretia W. McClure

State of the Association Address
Raymond A. Palmer, Executive Director

(Numbers in parentheses following each report refer to pages in the 1990/91 Annual Report.)

Report of the Finance Committee (1)
Frieda O. Weise, Chairman and Treasurer

Reports of Appointed and Elected Officers and Administrative Committees

• Committee on Committees (25)
  Richard A. Lyders, Chairman

NOTES
The following committee reports are listed according to program area.

Membership Services

- Exchange Advisory Committee (47)
  Rosalind F. Dudden, Chairman
  Jacqueline D. Doyle, Board Liaison

- Membership Committee (49)
  Rosanne Labree, Chairman
  Julia Sollenberger, Board Liaison

Information Issues and Policy

- Ad Hoc Committee on the Position of Hospital Libraries (53)
  Phyllis C. Gillikin, Chairman
  Jacqueline D. Doyle, Board Liaison

- Governmental Relations Committee (55)
  June Glaser, Chairman
  Carol G. Jenkins, Board Liaison

- Health Sciences Library Technicians Committee (57)
  Gayle K. Willard, Chairman
  Jacqueline D. Doyle, Board Liaison

- International Cooperation Committee (58)
  Janet S. Fisher, Chairman
  Carol G. Jenkins, Board Liaison

- MLA/AAHSLD Legislative Task Force (63)
  Carol G. Jenkins, Chairman and Board Liaison

- Publishing and Information Industries Relations Committee (65)
  Jane L. Thompson, Chairman
  Jacqueline D. Doyle, Board Liaison

- Status and Economic Interests of Health Sciences Library Personnel Committee (67)
  Richard S. Klein, Chairman
  Jacqueline D. Doyle, Board Liaison

Professional Development

- Continuing Education Committee (69)
  Gale A. Dutcher, Chairman
  Carolyn Anne Reid, Board Liaison

Continuing Education Subcommittees

- Chapter/Section Support (71)
  Christine A. Chapman, Chairman
  Carolyn Anne Reid, Board Liaison

- Instructor Approval, Evaluation, and Support (73)
  David Morse, Chairman
  Carolyn Anne Reid, Board Liaison

- Opportunity Review (75)
  Deborah A. Thompson, Chairman
  Carolyn Anne Reid, Board Liaison

- Task Force on Knowledge and Skills (77)
  Fred W. Roper, Ph.D., Chairman
  Lucretia W. McClure, Board Liaison

- Credentialing Committee (79)
  Diane G. Thomson, Chairman
  Joan S. Zenan, Board Liaison

- Professional Recognition Review Panel (81)
  Jo Ann Bell, Ph.D., Chairman
  Joan S. Zenan, Board Liaison

- Ad Hoc Committee to Establish Cunningham Endowment (82)
  Robert G. Cheshier, Chairman

- Ad Hoc Committee on Appointment of Fellows and Honorary Members (84)
  Frances Groen, Chairman and Board Liaison
• Awards Committee (85)
  Kirsten Shelstad, Chairman
  Henry L. Lemkau, Jr., Board Liaison

• Grants and Scholarship Committee (86)
  Kathleen A. Cimpl Wagner, Chairman
  Henry L. Lemkau, Jr., Board Liaison

• Joseph Leiter NLM/MLA Lectureship Committee (88)
  Lois Ann Colaianni, Chairman
  Frieda O. Weise, Board Liaison

Meeting Coordination

• 1991 National Program Committee (89)
  Daniel T. Richards, Chairman
  Lucretia W. McClure, Board Liaison

• 1992 National Program Committee (91)
  Pamela Jajko, Chairman
  Richard A. Lyders, Board Liaison

• 1993 National Program Committee (93)
  Rick Forsman, Chairman
  Jacqueline D. Bastille, Board Liaison

Publications

• Books Panel (94)
  Linda Grix, Chairman
  JoAnne Boorkman, Board Liaison

• Bulletin Consulting Editors Panel (96)
  Irwin H. Pizer, Editor
  JoAnne Boorkman, Board Liaison

• Bulletin Evaluation Committee (97)
  Marilyn B. Gorman Sullivan, Chairman
  JoAnne Boorkman, Board Liaison

• News Evaluation Committee (98)
  Karen McNally Bensing, Chairman
  JoAnne Boorkman, Board Liaison

• Publications Committee (99)
  Carolyn E. Lipscomb, Chairman
  JoAnne Boorkman, Board Liaison

Adjournment

8:00 A.M.-5:00 P.M.
Placement Service
Tower, Lobby level

9:15 A.M.-10:45 A.M.
National Library of Medicine Update
Continental Ballroom, B level
Moderator: Alison Bunting, Biomedical Librarian,
Louise Darling Biomedical Library, University of California-Los Angeles, Los Angeles, CA

Presenters:
“Westward Look”
Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

“There’s More to Life than News, Weather, Sports, and Pricing”
Lois Ann Colaianni, Associate Director, Library Operations, National Library of Medicine, Bethesda, MD

“Health Services Research: A Status Report on Recent NLM Initiatives”
Betsy L. Humphreys, Deputy Associate Director, Library Operations, National Library of Medicine, Bethesda, MD

NOTES
10:00 A.M.-5:00 P.M.  
**Hall of Exhibits Open**  
(See “Guide to Exhibits,” pp. 59–67.)

| 10:00 A.M.–10:30 A.M. | Coffee Break  
|-----------------------|------------------|
This session introduces EndNote—a reference database and bibliography maker on the IBM* PC and the Apple* Macintosh*. It is used by over 10,000 researchers to create their bibliographies automatically. Two additional products will be presented: EndNote Plus—the enhanced version—and Endlink, EndNote’s link to online services and CD-ROMs.

Creative applications will be discussed, with examples from libraries that use Pro-Cite and Biblio-Links for their projects. Examples will include a major East Coast university library that uses PBS programs to compile a health statistics file by subject and a West Coast hospital that keeps track of medical pamphlets throughout the hospital by employing special keyword and location terms. Stop by Booth 181 for demonstrations of Pro-Cite and Biblio-Links.

1:00 P.M.–2:00 P.M.
Job Market
Monterey A, 4th floor
“The Library’s Contribution to Quality: The Bottom Line”
Bernie Todd Smith, Director, Werner Health Science Library, Rochester General Hospital, Rochester, NY

Film Festival
Sausalito A and B, 4th floor

2:00 P.M.–3:00 P.M.
Open Forum: American Library Association (ALA) Standards for Accreditation
Continental Ballroom, B level

Jane B. Robbins, Chair, Committee on Accreditation Standards Revision, ALA, Chicago, IL, and June Lester, Accreditation Officer, ALA, Chicago, IL.

Attendance at the complete panel is encouraged. Times for individual presentations are not precise, and the order of presentation may be altered by the moderator.

1. Resource Sharing and Cooperative Collection Development
Imperial A, B level
Moderator: Jacqueline Wilson, Head, Resource Services, The Library, University of California–San Francisco, San Francisco, CA

“The Index Medicus* Price Study as a Tool for Collection Analysis”
Lynn M. Fortney, Biomedical Division Marketing Manager, EBSCO Subscription Services, Birmingham, AL, and Victor A. Basile, University Librarian, University of Medicine and Dentistry of New Jersey, Newark, NJ

“Comparative Collection Analysis for Improved Resource Sharing”
Beth M. Paskoff, Assistant Professor, School of Library and Information Science, Louisiana State University, Baton Rouge, LA

“Developing a DOCLINE* Network Among Health Sciences, Academic, and Community College Libraries Throughout the Entire State of Nevada”
Laurie A. Potter, Medical Reference Librarian, and Joan S. Zenan, Director, Savitt Medical Library, University of Nevada School of Medicine, Reno, NV

2. Impact of Health Professional Online Searching on Librarians—Panel A
Imperial B, B level
Moderator: Rebecca A. Davis, Coordinator, Online Search Services, Carlson Health Sciences Library, University of California–Davis, Davis, CA

“The Impact of CD-ROM at the Henry Ford Health System”
Nardina L. Nameth, Director of Library Services, and Valerie L. Reid, Associate Librarian, Reference Services, Sladen Library, Henry Ford Hospital, Detroit, MI

“Impact of Health Professionals Online Searching”
Chester J. Pletzke, Director, Learning Resource Center, Uniformed Services University of the Health Sciences, Bethesda, MD

“Measuring Library Staff Time in Helping Health Professionals Use a MEDLINE* CD-ROM Product”
Laurie A. Potter, Medical Reference Librarian, Savitt Medical Library, University of Nevada School of Medicine, Reno, NV

3. Services to Unaffiliated Health Professionals—Panel A
Plaza A, Lobby level
Moderator: John A. Breinich, Executive Director, Hawaii Medical Library, Honolulu, HI
"Flat Rate MEDLINE® Access and Unaffiliated Health Professionals in South Texas"
Virginia M. Bowden, Library Director; Janna Lawrence, Online Services Coordinator; Evelyn Olivier, Assistant Director for Administration; and Rajia Tobia, Assistant Director for Public Services, Briscoe Library, University of Texas Health Science Center–San Antonio, San Antonio, TX

"Characteristics of Libraries Willing to Serve the Unaffiliated Health Professional"
Jean P. Shipman, Coordinator, and Faith A. Meakin, Executive Director, Regional Medical Library Services, Health Sciences Library, University of Maryland–Baltimore, Baltimore, MD

"Services to Unaffiliated Health Professionals"
Peggy Mullaly-Quijas, Acting Associate Director, and Claire Gadzikowski, Special Projects Coordinator, Midcontinental Regional Medical Library Program, McCooan Library of Medicine, University of Nebraska Medical Center, Omaha, NE

4. Student Computer Laboratories and Networking Plaza B, Lobby level
Moderator: James A. Curtis, Assistant Director for Information Services, Health Sciences Library, University of North Carolina–Chapel Hill, Chapel Hill, NC

"Detection and Control of Microcomputer Viruses in a Public Access Lab"
Philip H. Arny, Systems Coordinator, Bio-Medical Library, University of Minnesota, Minneapolis, MN

"Using a Local Area Network in Public Access Microcomputer Facilities"
Janis F. Brown, Associate Director, Educational Resources, Norris Medical Library, University of Southern California, Los Angeles, CA

"The Ins and Outs of Managing a Student Computer Lab"
Cynthia H. Goldstein, Assistant Director, Tulane University Medical Center Library, New Orleans, LA

3:30 P.M.–5:30 P.M.
Juried Poster Session I
West Lounge, B level

Coordinated by Judy Consales, Online Services Coordinator, Pacific Southwest Regional Medical Library Service, Louise Darling Biomedical Library, University of California–Los Angeles, Los Angeles, CA; Joan S. Zenan, Director, Savitt Medical Library, University of Nevada, Reno, NV; and Kathleen Cimpl Wagner, Director, Health Sciences Library, Gunderson/Lutheran Medical Center, LaCrosse, WI

Sponsored by Majors Scientific Books, Inc.

Poster 1
"Increasing Awareness About Computerized Databases Among Rural West Virginia Health Care Providers"
Linda Jacknowitz, Project Director, West Virginia CON­SULT, West Virginia University Health Sciences Center, Morgantown, WV

Poster 2
"Western Maryland Outreach Pilot Project: Services to Unaffiliated Health Professionals"
Kathleen Lese, Learning Resource Services Coordinator, Western Maryland Area Health Education Center, Cumberland, MD

Poster 3
"The Transportable Electronic Library Enhancement (TELÉ) Project"
Eve Ruff, Outreach Services Librarian, and Neil Rambo, Associate Director, Pacific Northwest Regional Health Sciences Library Service, University of Washington, Seattle, WA

Poster 4
"An Integrated Workstation"
Chester J. Pletzke, Director, Learning Resource Center, Uniformed Services University of the Health Sciences, Bethesda, MD

Poster 5
"Improved Search Processing Procedures Using an MIS"
Barbara McNamee, Director of Information Services; Beatriz Varman, Assistant Director for Online Services; and Wes Browning, Online Services Librarian, Houston Academy of Medicine–Texas Medical Center Library, Houston, TX

Poster 6
"Multipurpose Microcomputer Network: Organization and Management"
Merrill K. Schindler, Assistant Director for Systems; Jean Sullivant, Head of Information Services; and Martin Eisenschmied, PC Coordinator, Gustave L. and Janet W. Levy Library, Mount Sinai Medical Center, New York, NY

Poster 7
"Microcomputer Labs and Human Networks: Vital Connections"
Gretchen V. Naisawald, Assistant Director for Public Services, Claude Moore Health Sciences Library, University of Virginia Health Sciences Center, Charlottesville, VA
Poster 8
"The Fortunate 500—Unlimited Access to MEDLARS® Pilot Project"
Janet G. Schnall, Information Services Librarian, and Terry Ann Jankowski, Information Retrieval and Management Librarian, Health Sciences Library and Information Center, University of Washington, Seattle, WA

Poster 9
"Librarians’ Role in PBL: Impact on Students’ MEDLINE® Search Skills"
Elizabeth K. Eaton, Director, and Elizabeth J. Richardson, Information Services Librarian, Health Sciences Library, Tufts University, Boston, MA

Poster 10
"Librarians and End-User Services: A Longitudinal Study"
Joanne G. Marshall, Assistant Professor, Faculty of Library and Information Science, University of Toronto, Toronto, Ontario, ON

Poster 11
"Hypertext-Based Tutorial for Teaching End-User Searching"
Y. Kathy Kwan, Assistant Medical Librarian, and Virginia I. Cook, Director, Hollis Health Sciences Library, Winthrop-University Hospital, Mineola, NY

Poster 12
"To Each His Own: The Laptop Alternative for Reference Services"
Tracy E. Powell, Reference Librarian, and Susan C. Speer, Audiovisuals and Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC

Poster 13
"Selecting Information Management Software for Health Sciences Libraries"
Inhye Kim Son, Consultation Services Coordinator; Jonquill D. Feldman, Consultation Services Coordinator, and Anne Wood Humphries, Head Reference Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

Poster 14
"Planning for the Future: Development and Strategy for the Friends of LIS (FLIS)"
Virginia M. Bowden, Library Director; Charles Sargent, Project Director; Susan Beck, Cataloger, and Pat Hawthorne, Administrative Projects Librarian, University of Texas Health Science Center, San Antonio, TX

Poster 15
"The Development of a Faculty Publications Database at the University of Cincinnati Medical Center"
Doris A. Haag, Library Systems Research and Development Librarian; Stephena Harmony, Manager of Information Services; Birsen Kaya, MCIC Network Administrator; Angela Myatt, Clinical Medical Librarian; and Terry Wells, Assistant MCIC Network Administrator, Medical Center Information and Communications, University of Cincinnati, Cincinnati, OH

Poster 16
"Faculty Publications: Problems and Institutional Utility"
Bonnie M. Seelig, Section Head, Reference, and George Gehrig, Senior Reference Librarian, Louisiana State University Medical Center-Shreveport Library, Shreveport, LA

Poster 17
"Creating and Using a Faculty Interests Database with NUTPLUS"
Martha Earl, Reference Librarian, and Leslie Goodale Adebonojo, Special Projects Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

Poster 18
"An Audiovisual Collection Development Database"
Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

Poster 19
"Using a Database Program to Manage the Acquisition of Cancelled Standing Orders"
Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

Poster 20
"Medical Library Group Southern California and Arizona (MLGSCA) Membership Database: Development and Implementation"
Carlene Bogle, Life Sciences Reference Librarian, California State Polytechnic University, Pomona, CA; Janis Brown, Associate Director, Educational Resources; Alice Karasick, Acquisitions/Serials Librarian; and Margaret Wineburgh-Freed, Catalog Librarian, Norris Medical Library, University of Southern California, Los Angeles, CA

Poster 21
"Electronic Perspectives: A HyperCard®-Based Electronic Meeting Guide"
Nancy E. Condit, Head of Cataloging Services; Dave Piper, Head of Microcomputer Services; and Jeanette McCray, Associate Director, Arizona Health Sciences Center Library, University of Arizona, Tucson, AZ

Poster 22
"Aetna Life & Casualty’s MEDIS® System"
Frances T. Bernstein, Administrator, MEDIS®, and Deborah Beauvais, Clinical Medical Librarian, Medical Management Library, Aetna Life & Casualty Company, Hartford, CT
Poster 23
“DIAL ACCESS: Continuing Medical Education via State-of-the-Art Telecommunications—Serving the Teachable Moments of Physicians”
Mona Fisher, Coordinator of Multimedia Programs, Southern Medical Association, Birmingham, AL

Poster 24
“Worksafe Iowa Information Network (WIIN): Electronic Bulletin Boards in the Health Sciences”
Jacqueline Snider, Information Specialist, Institute of Agricultural Medicine and Occupational Health, University of Iowa–Oakdale Campus, Iowa City, IA

Poster 25
“Building Blocks for Adding CD-ROM to a Library Network”
John C. Sanderlin, Director, Library and Information Systems; Susan E. Woods, Program Development Librarian; and Janet M. Coggan, Information Specialist, Health Science Center Library, University of Florida, Gainesville, FL

Poster 26
“CD-ROM Access Control Using dBase III+”
Fred Van Driel, Computer Services Assistant; Angella Lambrou, Computer Services Librarian; Linda Ordogh, Information Services Librarian; Deanna Cowan, Reference/Orientation Librarian; and Bruna Ceccolini, Accounting/Secretarial Supervisor, Health Sciences Library, McGill University, Montreal, Quebec, CN

Poster 27
“Become an MLA Author: The Book and Monograph Publication Program”
Nancy K. Roderer, Acting Director, Augustus C. Long Health Sciences Library, Columbia University, New York, NY, and other MLA Books Panel Members

Poster 28
“The Grand Old Ladies: An Introduction to Three Leaders of the Medical Library Association by the Oral History Committee”
Billie Broadbus, Director, Cincinnati Medical Heritage Center, University of Cincinnati, Cincinnati, OH, and Dorothy Whitcomb, Academic Librarian, History of Medicine Department, Historical Collection, Middleton Library, University of Wisconsin–Madison, Madison, WI

4:45 p.m.–5:45 p.m.
Contributed Paper Panels 5–8
The following panels have been constructed as cohesive units. Each will begin with comments from the moderator, followed by the individual presentations. A question-and-answer segment will close each panel. Attendance at the complete panel is encouraged. Times for individual presentations are not precise, and the order of presentation may be altered by the moderator.

5. Legal and Access Issues in Electronic Information
Imperial A, B level
Moderator: David Morse, Associate Director for Collection Resources, Norris Medical Library, University of Southern California, Los Angeles, CA

“Introduction to Legal and Access Issues in Electronic Information”
David Morse, Associate Director for Collection Resources, Norris Medical Library, University of Southern California, Los Angeles, CA

“Using GRATEFUL MED® on BITNET to Access NLM Databases”
Richard K. C. Hsieh, Ph.D., Director, International Programs, National Library of Medicine, Bethesda, MD, and Carlos A. Gamboa, Regional Advisor, Human Resources Program, Pan American Health Organization, Washington, DC

“Computer Database Searching and Professional Malpractice: Who Cares?”
Nicholas G. Tomaiuolo, Information Services Librarian, and Barbara J. Frey, Information Services Librarian, Lyman Maynard Stowe Library, University of Connecticut Health Center, Farmington, CT

6. Stress and the Public Service Environment
Imperial B, B level
Moderator: Terry Ann Jankowski, Information Retrieval and Management Librarian, Health Sciences Library and Information Center University of Washington, Seattle, WA

“Stress in the Library: Personal or Organizational Failure?”
Pia Tolli Brown, User Services Coordinator, Health Science Center Library, University of Florida, Gainesville, FL

“Facing Tenure: A Team Approach”
Trudi Di Trolio, Assistant to the Director, and Rebecca K. Satterthwaite, Head, Information Services, Health Science Center Library, University of Florida, Gainesville, FL

“Librarians at Risk: Overcoming Stress and Burnout”
Amy Gische Lyons, Assistant Director, Health Sciences Library, State University of New York–Buffalo, Buffalo, NY

7. Services to Unaffiliated Health Professionals—Panel B
Plaza A, Lobby level
Moderator: Michelle Volesko, Director, Library and Corporate Information Services, Health Research and Educational Trust of New Jersey, Princeton, NJ

“The Unaffiliated User Within the Institution: Improving Library Services and Applying the Concept of Distance Education”
Marion N. Sabella, Director, Parks Medical Library, Long Beach Memorial Medical Center, Long Beach, CA
"Information Evaluation and Rural Outreach with Texas Tech MEDNET"
Mary Moore, Curriculum Developer and Evaluation Specialist, Texas Tech MEDNET, and Associate Director for Education, Library of the Health Sciences, and JoAnn Van Schaik, Assistant Director for Teaching and Learning Resources, Texas Tech Health Sciences Center, Lubbock, TX

"Reaching Underserved Health Providers in Southwest Ohio"
Stephena E. Harmony, Manager of Information Services, and Phyllis C. Self, Director, Health Sciences Library, University of Cincinnati, Cincinnati, OH

8. Electronic Transfer of Information Between Libraries and Vendors
Plaza B, Lobby level
Moderator: Leonard Schrift, President, Ballen Booksellers International, Inc., Hauppauge, NY

"Electronic Data Interchange (EDI): From Theory to Practice—the Subscription Agent’s Perspective"
Joe Santosuossi, EDI Analyst, The Faxon Company, Westwood, MA

"Electronic Data Interchange (EDI): From Theory to Practice—the Library’s Perspective"
Melissa A. Kraft, Serials Collection Management Librarian, and Karen Butter, Associate Director, Information and Library Services, William H. Welch Medical Library, Johns Hopkins University, Baltimore, MD

"Electronic Mail Journal Claiming: The Use of ALANET to Claim Missing Issues"
Leonard Rhine, Ph.D., Head, Technical Services, Health Science Center Library, University of Florida, Gainesville, FL

5:30 P.M.-6:30 P.M.
Film Festival
Sausalito A and B, 4th floor

5:45 P.M.-8:00 P.M.
1992 Planning Grid Meeting
Franciscan A, B level

Annual Meeting Task Force
Tiburon B, 4th floor

9:00 P.M.-MIDNIGHT
Chocolate Extravaganza for the Friends of NLM
Ghirardelli Square

Tuesday, June 4

7:00 A.M.-9:00 A.M.
1993 National Program Committee
Executive Board Room, B level

Ad Hoc Committee on Appointment of Fellows and Honorary Members
Toryon A, 4th floor

Ad Hoc Committee to Establish Cunningham Endowment
Toryon B, 4th floor

Award Juries
Imperial A, B level

Books Panel
Tamalpais, 4th floor

Bulletin Evaluation Committee
Yosemite B, B level

Bylaws Committee
Lassen, 4th floor

Continuing Education Chapter/Section Support Subcommittee
Sausalito B, 4th floor

Continuing Education Instructional Development Subcommittee
Belvedere A, 4th floor

Continuing Education Instructor Approval, Evaluation, and Support Subcommittee
Belvedere B, 4th floor

Continuing Education Opportunity Review Subcommittee
Tiburon A, 4th floor

Exchange Advisory Committee
Diablo, 4th floor

Governmental Relations Committee
Belmont, 4th floor

Grants and Scholarship Juries
Imperial B, B level

Health Sciences Library Technicians Committee
Tiburon B, 4th floor

Joseph Leiter NLM/MLA Lectureship Committee
Sausalito A, 4th floor

Membership Committee
Whitney, 4th floor

News Evaluation Committee
Carmel, 4th floor

Professional Recognition Review Panel
Shasta, 4th floor

Publishing and Information Industries Relations Committee
Sonoma, 4th floor

8:00 A.M.-5:00 P.M.
Placement Service
Tower, Lobby level

9:00 A.M.-10:15 A.M.
Plenary Session II
Continental Ballroom, B level

Janet Doe Lecture
Introduction: Ruth Holst, Director of Library Services, Columbia Hospital, Milwaukee, WI

“That Vision Thing”
Lois Ann Colaianni, Associate Director, Library Operations, National Library of Medicine, Bethesda, MD
**NOTES**

**Presentation of Awards**

Janet Doe Lectureship Certificate

Frank Bradway Rogers Information Advancement Award

Richard E. Lucier, formerly Director, William H. Welch Medical Library, Laboratory for Applied Research in Academic Information, and Associate Director and Research Associate, Department of Medicine, Division of Medical Genetics, Johns Hopkins University School of Medicine, Baltimore, MD, designated University Librarian and Assistant Vice-Chancellor for Academic Information Management, University of California–San Francisco, San Francisco, CA; Victor A. McKusick, M.D., Johns Hopkins University School of Medicine, Baltimore, MD; Jack G. Goellner, Director, Johns Hopkins University Press, Baltimore, MD; and Charles Goldstein, Chief, Information Technology Branch, Lister Hill Center for Biomedical Communications, National Library of Medicine, Bethesda, MD.

**Proposed Revision to the MLA Bylaws**

Murray Gottlieb Prize

Mary Rhinelander McCull, Historical Collections Consultant, Birmingham, AL

**Introduction of Fellows**

C. William Fraser, Director, Library, College of Physicians and Surgeons of British Columbia, Medical Library Service, Vancouver, BC, Canada

Rose Hogan, Director, Medical Sciences Library, University of Arkansas, Little Rock, AR

Thomas D. Higdon, formerly, Director, Health Sciences Center Library, University of Arizona, Tucson, AZ

Ronald M. Watterson, Librarian Emeritus, Raymon H. Mulford Library, Medical College of Ohio, Toledo, OH

Philip Rosenstein, University Librarian, Library of the Health Sciences, University of Medicine and Dentistry of New Jersey, Newark, NJ

Jean K. Miller, Director, Library, University of Texas Southwestern Medical Center, Dallas, TX

**Introduction of members of the Academy of Health Information Professionals**

**Adjournment**

10:00 A.M.–5:00 P.M.

Hall of Exhibits Open

(See "Guide to Exhibits," pp. 59–67.)

10:30 A.M.–11:30 A.M.

Business Session II

Continental Ballroom, B level

Presiding: Lucretia W. McClure, President, Medical Library Association, and Medical Librarian and Associate Professor of Medical Bibliography, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, New York.

Reports of Association Units—continued

**Proposed Revision to the MLA Bylaws**

**Presentation of Awards**

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Mary Rhinelander McCull, Historical Collections Consultant, Birmingham, AL

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Jean K. Miller, Director, Library, University of Texas Southwestern Medical Center, Dallas, TX

**Introduction of members of the Academy of Health Information Professionals**

**Adjournment**

11:30 A.M.–1:00 P.M.

Chapter Sharing Roundtables and Luncheon

Plaza B, Lobby level

Sponsored by Chapter Council

**NOON–12:45 P.M.**

"Lunch and Learn" Sessions

Something new for MLA! Purchase a hot or cold lunch in the MLA Hall of Exhibits (Grand Ballroom) and find out what's new in the industry by attending educational presenta-
Pick up some lunch and some useful information at the same time!

**Blackwell North America, Inc.**
Imperial A, B level

This presentation will describe Blackwell’s MeSH Authority Control System. The Blackwell MeSH Authority Control System updates library headings in MARC format to the NLM’s most recent practices using NLM’s MeSH authority file. The system also standardizes headings for filing purposes and provides cross-references for use in online and CD-ROM catalogs.

**BRS Information Technologies**
Yosemite C, B level

“Broad Spectrum Retrieval Through Multi-File Searching.” This presentation will give an overview of information available on BRS for a new pharmaceutical. Consumer, popular press, biomedical, regulatory, corporate, and industry information will be demonstrated. New system features and database enhancements will be incorporated in the searches.

**CD Plus, Inc.**
Franciscan A, B level

CD Plus will discuss and demonstrate its high performance CD-ROM workstations, CD Plus 100 Patron Station and CD Plus 200 Professional Workstation, and its databases on CD-ROM: MEDLINE® (1966–present on only seven disks), CANCERLIT®, Health, and Nursing and Allied Health (CINAHL)-CD. Discussion will include turnkey networks, PlusNet and PlusNet2, which offer all the benefits of the CD Plus software combined with the power and convenience of a LAN.

**CINAHL Information Systems**
Yosemite B, B level

In this session, you will learn about the new enhancements to CINAHL—the database of choice for nursing and allied health. Use of the expanded research tree and tips on searching the new formats indexed will be emphasized. Complimentary beverages will be provided by CINAHL.

**Compact Cambridge**
Yosemite A, B level

Have a lunch on us, and come see and learn about the latest products and developments from Compact Cambridge:

- **New enhancements in version 4.0 software**
- **The cumulative index to MEDLINE®**
- **“Online connection,” which allows CD-ROM users to dial-up and search online systems transparently**
- **New databases on CD-ROM**

A question-and-answer session will be held as time permits. Pick up your free lunch ticket at Booth 119 before you meet us at Lunch and Learn.

**Data Trek, Inc.**
Franciscan B, B level

Announcing the newest addition to Data Trek’s library automation software family. The ULS Professional Series includes full modular integration, high speed searching, variable length fields, and complete MARC compatibility. The program is user-friendly, incorporating cascading menus, pick lists, online help, etc. The ULS Professional Series incorporates catalog, circulation, databridge, OPAC, serials, and acquisitions.

**The Information Store, Inc.**
Franciscan C, B level

As the leader in document retrieval, The Information Store is ready, willing, and able to retrieve any publicly available document from our network of international sources. The Information Store would like to invite you to an overview of its services. You will learn about The Information Store’s services and products and share its focus for the future. Come join us!

**SilverPlatter Information, Inc.**
Imperial B, B level

Come see and hear about SilverPlatter’s® Release 2.0. Its installation procedure has been greatly enhanced and now contains many user-specified defaults, which will be demonstrated. Other features to be demonstrated and discussed include the marking records, saving search strategies, clearing individual searches, dialog boxes for changing options, and a new thesaurus model. Hear about plans for subsequent releases. Presenter: Barbara Bishop, vice-president for product development.

**The US Pharmacopeial Convention**
Franciscan D, B level

Master the vast clinical drug information of USP DI. Learn how to find information quickly on unlabeled drug uses, drug interactions, side/adverse effects, drug product recall listings,
patient consultation guidelines, and more. The presentation will include descriptions or demonstrations of the many electronic applications of USP drug and standards information. Complimentary beverages will be provided by the US Pharmacopoeial Convention.

1:00 P.M.-3:00 P.M.
Concurrent Programs

1. The Unified Medical Language System (UMLS) Knowledge Sources: Applications to Library and Information Science
(sponsored by the Medical Informatics Section)
Imperial A, B level

In October 1990, the National Library of Medicine issued the first versions of two Unified Medical Language System (UMLS) knowledge sources: a Metathesaurus of concepts and terms from several biomedical vocabularies and classifications and a Semantic Network of the relationships among the broad semantic types or categories to which all individual concepts in the Metathesaurus are assigned. This session will address the application of these new tools to a variety of library and information science endeavors, including online public access catalogs, information retrieval from MEDLINE® and other online databases, and natural language processing.

Moderator: Nancy K. Roderer, Acting Director, Library Betsy L. Humphreys, Deputy Associate Director, Library Operations, and Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

“Librarians and Information Scientists Meet the UMLS Knowledge Sources: A Look at Current Experimentation”
Betsy L. Humphreys, Deputy Associate Director, Library Operations, and Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

“Multiple Thesauri and the Public Catalog”
Gary L. Strawn, Authorities Librarian/Library Systems Analyst, Northwestern University Libraries, Evanston, IL

“Coach: An Expert Searcher Adjunct Program for Users of GRATEFUL MED®”
Lawrence C. Kingsland III, Ph.D., Chief, Computer Science Branch, Lister Hill National Center for Biomedical Communications; Tamas E. Doszkocs, Ph.D., Special Assistant for Research and Development; Specialized Information Services; Edmund J. Syed, Lister Hill National Center for Biomedical Communications; Peri L. Schuyler, Head, MeSH Section, Library Operations; and Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

2. “Introduction to Publishing for Health Sciences Librarians: An Expert Panel Presentation”
(sponsored by the Collection Development Section)
Imperial B, B level

Sponsored by EBSCO Subscription Services.

Understanding how health care literature is created and marketed is important for health sciences librarians, who create and organize information services around that literature. Presentations by two successful independent publishers will describe the way in which scientific literature is created, developed, and marketed and how its quality is ensured. Such topics as how publishers develop a new journal or book, how editorial boards are created, what factors determine publication format and price, and how health sciences publishing will look in the year 2000 will be addressed.

Moderator: Anne M. Pascarelli, Director, Sheppard Library, Massachusetts College of Pharmacy and Allied Health Sciences, Boston, MA

Presenters: Henry J. Secor, Assistant Vice-President, National/International Sales, Marcel Dekker, Inc., New York, NY; and Mary Ann Liebert, President, Mary Ann Liebert, Inc., New York, NY

3. Knowledge and Skills for Health Information Professionals in the '90s and Beyond
(cosponsored by the Continuing Education and Credentialing Committees, the Professional Recognition Review Panel, and the Knowledge and Skills Task Force)
Yosemite A and B, B level

Preliminary findings of the survey on the knowledge and skills needed to be an effective health information professional will be presented. The first draft of the Guidelines for Graduate Education Programs will be considered. Attendees will meet in small groups to discuss the findings of the task force and the draft of the Guidelines. The groups will be led by members of the cosponsoring units.

Presenter: Fred W. Roper, Ph.D., Chairman, Knowledge and Skills Task Force, and Dean, College of Library and Information Science, University of South Carolina, Columbia, SC

4. SatelLIFE: Building Electronic Bridges to Medical Libraries in the Developing World
(sponsored by the International Cooperation Section)
Franciscan A, B, and C, B level
SatelLIFE, an international not-for-profit organization, links medical communities with each other and with medical information sources using satellites, electronic mail, and telex-facsimile. SatelLIFE's Access to Medical Information (AMI) service transmits medical literature by satellite, and its HealthNet uses low-earth orbiting satellites to provide electronic mail where there is no telephone connection. This session focuses on these services and describes other projects of the organization.

Moderator: Leonard Rhine, Ph.D., Head, Technical Services, Health Science Center Library, University of Florida, Gainesville, FL

Presenters: Charles Clements, Executive Director, SatelLIFE, Cambridge, MA, and Tony McSean, Librarian, British Medical Association, London, UK

5. Librarians, Legislation, Lobbying: We Can Make a Difference!
(sponsored by the Governmental Relations Committee)
Plaza A, Lobby level

This session will include presentations on a variety of topics related to the legislative process and MLA.

Moderator: Sara Jean Jackson, Director, Research Medical Library, University of Texas M. D. Anderson Cancer Center, Houston, TX

"MLA's Role in the Legislative Process"
Sara Jean Jackson, Director, Research Medical Library, University of Texas M. D. Anderson Cancer Center, Houston, TX

"Presenting Your Case to Congress"
Legislative Aide to be announced

"MLA Goes to Washington"
Mary M. Horres, Biomedical Librarian and Associate University Librarian, Sciences, University of California-San Diego, La Jolla, CA; Wayne J. Peay, Director, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT; and Joan S. Zenan, Director, Savitt Medical Library, University of Nevada, Reno, NV

"Legislative Update"
June Glaser, Director, Basil G. Bibby Library, Eastman Dental Center, Rochester, NY

"Just How Can We Make a Difference as MLA Lobbyists?"
Jon Eldredge, Assistant Professor and Chief of Collection and Information Resources Development, Medical Center Library, University of New Mexico, Albuquerque, NM

3:00 P.M.-3:30 P.M.
Coffee Break
MLA Garden Cafe, Hall of Exhibits

3:00 P.M.-5:00 P.M.
Knowledge and Skills Task Force
Sonoma, 4th floor

3:30 P.M.-4:30 P.M.
Contributed Paper Panels 9-12
The following panels have been constructed as cohesive units. Each will begin with comments from the moderator, followed by the individual presentations. A question-and-answer segment will close each panel. Attendance at the complete panel is encouraged. Times for individual presentations are not precise, and the order of presentation may be altered by the moderator.

9. Developments in Technical Services Systems
Imperial Ballroom A, B level
Moderator: Sally K. Sinn, Deputy Chief, Technical Services Division, National Library of Medicine, Bethesda, MD

"Editorial Considerations in the Mapping of the MeSH® and LCSH Systems"
Tony Olson, Head of Technical Services, Galter Health Sciences Library, Northwestern University, Chicago, IL

"The Value-Added Online Catalog: Enhancing Bibliographic Records"
John Patruno, Director, Health Sciences Library, University of Tennessee, Memphis, TN, and Judith Robinson, Assistant Director for Technical Services, University of Virginia, Charlottesville, VA

"ISSN: First-Rate Link or Problem Kink?"
Judith L. Rieke, Monographs Librarian; Deborah H. Broadwater, Serials Librarian, Medical Center Library; and Ramona J. Steffey, Systems Librarian, Jean and Alexander Heard Library, Vanderbilt University, Nashville, TN

10. Wheat from the Chaff: Librarians as Information Evaluators
Imperial B, B level
Moderator: Marie Sparks, Manager, Business Information Center, American Cyanamid Company, Wayne, NJ

"Quality Filtering of the Clinical Literature by Librarians and Physicians"
Charles B. Wessel, Coordinator for Hospital Library Services; Alice B. Kuller, Reference Librarian; David S. Cinn, Associate Director for Information
Services, Falk Library of the Health Sciences, University of Pittsburgh; Matthew N. Klain, M.D., Chief Resident; and Thomas P. Martin, M.D., Chief Resident, Department of Medicine, Presbyterian University Hospital, Pittsburgh, PA

"The Application of Quality Filters in Searching: Some Possible Methods"
E. Diane Johnson, Head, Information Services, J. Otto Lottes Health Sciences Library; Emma Jean McKinlin, Assistant Professor; and Mary Ellen Sievert, Associate Professor, School of Library and Information Science, University of Missouri--Columbia, Columbia, MO

"MEDIC: A Single-Blind Study on the Effect of Information Filtering on Physician Satisfaction with Clinical Information from the Library"
Mary Ellen Lemon, MEDIC Project Coordinator, Pacific Northwest Regional Health Sciences Library Service, University of Washington, Seattle, WA

11. Issues in Library Administration
Yosemite A and B, B level
Moderator: Linda A. Watson, Director, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

"A Management Information System for Decision Support and Planning in a Medical Library"
Damon Camille, Assistant Executive Director for Library Services, Houston Academy of Medicine--Texas Medical Center Library, Houston, TX

"The Formation and Implementation of a Department of Health Informatics"
Thomas Singarella, Professor and Chairman, and Susan Selig, Associate Professor, Health Sciences Library, Department of Health Informatics, University of Tennessee, Memphis, TN

"Paranoid or Proactive: Hospital/Academic Librarian Response to Corporate Restructuring in a Metropolitan Medical Center"
Faith Van Toll, Director; Natalie S. King, Assistant Director, Shiffman Medical Library, Wayne State University, Detroit, MI; and Sandra Martin, Director, Harper Hospital Medical Library, Detroit, MI

12. Online Searching and Information Delivery
Franciscan A, B, and C, B-level, Building 1
Moderator: Kathleen Cimpl Wagner, Director, Health Sciences Library, Gundersen/Lutheran Medical Center, LaCrosse, WI

"MeSH® Terms and the UMLS Metathesaurus as a Basis for Searching Non-NLM Databases: A Feasibility Study"
Nadine P. Ellero, Head, Bibliographic Control, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA, and Penelope Gedeon, Tucson, AZ

"The MAClinical Workstation Project at Georgetown University"
Naomi C. Broering, Director, Georgetown University Medical Center Library, Washington, DC

"Searching the Cited References in the Full-Text Medical Databases, CCML and MEDIS®"
Mary Ellen Sievert, Associate Professor; Emma Jean McKinlin, Assistant Professor, School of Library and Information Science; and E. Diane Johnson, Head, Information Services, J. Otto Lottes Health Sciences Library, University of Missouri--Columbia, Columbia, MO

3:30 P.M.--5:30 P.M.
Juried Poster Session II
West Lounge, B level

Coordinated by Judy Consales, Online Services Coordinator, Pacific Southwest Regional Medical Library Service, Louise Darling Biomedical Library, University of California--Los Angeles, Los Angeles, CA; Joan S. Zeman, Director, Savitt Medical Library, University of Nevada, Reno, NV; and Kathleen Cimpl Wagner, Director, Health Sciences Library, Gundersen/Lutheran Medical Center, LaCrosse, WI

Sponsored by Majors Scientific Books, Inc.

Poster 30
"Consumer Health Information in the UK"
Robert Gann, Director, Help for Health Trust, Winchester, UK

Poster 31
"A Comparison of Health and Legal Information Services in Public Libraries"
Joanne G. Marshall, Assistant Professor, Faculty of Library and Information Science, University of Toronto, Toronto, Ontario, CN; Patricia Dewdney, Assistant Professor; and Muta Tamiyju, Doctoral Student, School of Library and Information Science, University of Western Ontario, London, Ontario, CN

Poster 32
"Online Sources for Consumer and Patient Health Information"
Glenda Mendina, Reference Librarian, Health Science Library, University of Tennessee, Memphis, TN

Poster 33
"CHIP: A Consumer Health Information Project of Northeast Missouri"
Lawrence W. Onsager, Director, A. T. Still Memorial Library, Kirksville College of Osteopathic Medicine; Marilyn Prosser, Director, Adair County Public Library, Kirksville, MO; and Margaret J. Michael, Director, Northeast Missouri Area Health Education Center, Macon, MO
Poster 34
“Empowering People to Make Health Protective Decisions: The Options and Choices Experience”
Karyn L. Pomerantz, Options and Choices, N. Bethesda, MD

Poster 35
“A Decade of Consumer Health Information”
Martha Studaker, Director, and Nancy J. Winslow, Public Service Librarian, Hamady Health Sciences Library, Hurley Medical Center, Flint, MI

Poster 36
“Public Medical Library in a Shopping Mall”
Mary Beth Train, The Health Library, Stanford Shopping Center, Palo Alto, CA

Poster 37
“Compact Library Design: The Future in Hospital Library Renovation”
Christine L. Bell, Director, Library Services, Newton-Wellesley Hospital, Newton, MA

Poster 38
“Strategy for Survival: Diversifying the Services of a Specialty Hospital Library”
Barbara P. Casini, Director of Educational Resources, Moss Rehabilitation Hospital, Philadelphia, PA

Poster 39
“Effects of Downsizing on Resource Sharing: The Massachusetts Response”
Massachusetts Health Sciences Library Network Ad Hoc Committee on Downsizing (Anita B. Loscalzo, Deborah Almquist, Christine L. Bell, Sandra R. Clevesy, Lynne Silvers, Carol J. Foxman, and Florence S. Mercer), Boston, MA

Poster 40
“Journal Sponsorship Program—A Three-Year Project”
Kathleen O. Rainey, Associate Librarian, University of California-Davis Medical Center Library, Sacramento, CA, and Dorothy A. Thurmond, Medical Librarian, Guttman Library and Information Center, Sacramento-El Dorado Medical Society, Sacramento, CA

Poster 41
“Consortium Promotion: Ideas for Publicizing Your Library Group”
Ellen Cooper, Serials and Acquisitions Librarian, Health Science Library, University of Tennessee, Memphis, TN

Poster 42
“Revitalizing Consortia/Local Groups in Region 3”
Kimberly Goldman, Program Coordinator, Greater Midwest Regional Medical Library Network, Library of the Health Sciences, University of Illinois-Chicago, Chicago, IL; Jeanne Gittings, Librarian, United Medical Center, Moline, IL; and Annelie Sober, Medical Librarian, Miller-Dawn Medical Center, Duluth, MN

Poster 43
“An Integrated Library System and Online Union Catalog for a Statewide Health Sciences Library Consortium”
Joan M. Marcotte, Assistant Director for Technical Services, and Joan M. Stoddart, Assistant Director for Public Services, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT

Poster 44
“Incorrect Citations in Library Literature”
Sue Benning, Circulation Librarian, and Susan C. Speer, Audiovisuals and Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC

Poster 45
“Fraud in Scientific Publishing: Messages Delivered”
Mary D. Scheetz, Manager, Publication Services, Department of Pediatric Otolaryngology, Children’s Hospital of Pittsburgh, Pittsburgh, PA

Poster 46
“Animal Rights Activities and their Implications for Biomedical Research, Publishing, and the Health Sciences Library”
Mary Moore, Associate Director for Education, and JoAnn Van Schaik, Assistant Director for Teaching and Learning Resources, Library of the Health Sciences, Texas Tech University Health Sciences Center, Lubbock, TX

Poster 47
“DOCLINE® Monthly Reports as a Source of Network ILL Statistics”
John Budrew, Head of Access Services, Medical Library Center of New York, New York, NY

Poster 48
“Using an Online Interlibrary Loan System as an Aid to Cooperative Journal Collection Development”
Kathryn P. Ray, Interlibrary Loan Supervisor, Medical Library, Washington University School of Medicine, St. Louis, MO, and Candace W. Thayer, Director, Health Sciences Library, St. Mary’s Health Center, St. Louis, MO

Poster 49
“The HSLC HEALTHNET Collection Development Database”
John R. Barr, Technical Services Consultant, Health Sciences Library Consortium, Philadelphia, PA
Poster 50
"Use of Newsletters for Communicating Library Information"
Anne Carroll Bunting, Head, Technical Services, and Frances H. Verble, Cataloger, Health Sciences Library, Department of Health Informatics, University of Tennessee, Memphis, TN

Poster 51
"Those Dreaded Words: 'It's at the Bindery!'"
Barbara A. Carlson, Head, Serials Management, and Robert K. Poyer, Coordinator of Public Services, Library, Medical University of South Carolina, Charleston, SC

Poster 52
"Subject Analysis for Collection Enhancement: The Field of Bioethics"
Elizabeth Cooley, Collection Development Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

Poster 53
"Osteopathic Medical School Libraries: A Survey"
Craig S. Elam, Associate Director for Technical Services, Health Sciences Library, Texas College of Osteopathic Medicine, Forth Worth, TX; Lawrence W. Onsager, Director, A. T. Still Memorial Library, Kirksville College of Osteopathic Medicine, Kirksville, MO; and Sharon Eckert, Technical Services Coordinator, Jack S. Keach Library, University of New England College of Osteopathic Medicine, Biddeford, ME

Poster 54
"Designing a Functional Reference Desk: Planning to Completion"
Anne Wood Humphries, Head Reference Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

Poster 55
"Experience with Remote Storage in an Academic Health Center Library"
Jeremy Shellhase, Associate Director for Resource Management, and Patricia Mickelson, Director of Library and Academic Information Services for the Schools of the Health Sciences, Falk Library of the Health Sciences, University of Pittsburgh, Pittsburgh, PA

Poster 56
"Library Resources for Nursing: An Organizational Approach"
Interagency Council on Library Resources for Nursing Members, Guilderland, NY

Poster 57
"Bridging the Gap: Nurses and the Library"
Margaret A. Prasek, Reference Librarian, and Jean Sullivant, Head of Information Services, Gustave L. and Janet W. Levy Library, Mt. Sinai Medical Center, New York, NY

Poster 58
"Resources for Library Research"
Min-Lin Emily Fang, Assistant Reference Librarian/Assistant Professor, Library of the Health Sciences, University of Illinois–Chicago, Chicago, IL, and members of Research Resources Committee, Library Research Section, MLA

Poster 59
"Integrating Strategic Planning with Staff Development"
Suzy Conway, Assistant Director for Information Services; Grace Miller Roth, Assistant Director for Access Services; and Chrissy Sullivan, Reference Librarian, St. Louis University Medical Center Library, St. Louis, MO

4:45 P.M.–5:45 P.M.
Contributed Paper Panels 13–16
The following panels have been constructed as cohesive units. Each will begin with comments from the moderator, followed by the individual presentations. A question-and-answer segment will close each panel. Attendance at the complete panel is encouraged. Times for individual presentations are not precise, and the order of presentation may be altered by the moderator.

13. Librarian as Information Systems Specialist
Moderator: M. Sandra Wood, Librarian, Reference and Database Services, George T. Harrell Library, Milton S. Hershey Medical Center, Hershey, PA

"The Role of the Librarian in the Introduction of the Information Management Work Groups"
Millard F. Johnson, Jr., Assistant Director of Public Services, Biomedical Communication Center, Oregon Health Sciences University, Portland, OR

"Breaking Down the Stereotypes: Library/Information Specialists Move into the Information Age"
Mary Jane Scherdin, Collection Access Coordinator, Health Science Library, University of Wisconsin–Madison, Madison, WI

"An Innovative Project to Provide Bibliographic Support for the Creation of a New Medical Text"
Robert J. Sekera, Interim Director; Donna K. Lee, Media Librarian; Joanna S. Weinstock, Reference Librarian, Charles A. Dana Medical Library, University of Vermont, Burlington, VT; Nancy A. Bianchi, Reference Librarian, Durick Library, St. Michael’s College, Colchester, VT; and Kathy Alexander, Senior Medical Editor, Raven Press, Redmond, WA
   Imperial B, B level
   Moderator: Wayne J. Peay, Director, Eccles Health Sciences Library, University of Utah, Salt Lake City, UT

   "The Sources and Search for Patient Management Information in a Teaching Hospital"
   Ellen Marks, Director of Information Research and Development; Barbara Tuchfarber, IAIMS Clinical Information Specialist; and Christine Thinnes, IAIMS Clinical Information Specialist, Medical Center Information and Communications and Department of Internal Medicine, University of Cincinnati Medical Center, Cincinnati, OH

15. Fraud in Scientific Publishing
   Yosemite A and B, B level
   Moderator: Lelde B. Gilman, Head of Collection Development, Louise Darling Biomedical Library, University of California–Los Angeles, Los Angeles, CA

   "Fakes, Frauds and Fuzzy Facts: Case Studies of Misleading Citations in Medical Literature"
   Mary Edith Walker, Director, St. Jude Children's Research Hospital, Memphis, TN; Deborah Brackstone, Head, Interlibrary Loans; and Janelle Rudolph, Reference Librarian, Memphis State University Libraries, Memphis, TN

   "Misconduct in Scientific Publishing: A Case Study with Implications for Health Sciences Librarians"
   Julie Johnson McGowan, Associate Director, School of Medicine Library, University of South Carolina, Columbia, SC

16. Impact of Health Professional Online Searching on Librarians—Panel B
   Franciscan A, B, and C, B level

Moderator: Frank O. Mason, Dental Librarian, Health Sciences Library System, University of Southern California, Los Angeles, CA

   "Systems Support for End-User Searching in an Academic and Clinical Environment"
   Carol M. Lelonak, Programmer/Analyst, Health Sciences Library, State University of New York–Buffalo, Buffalo, NY

   "Unlimited Access to MEDLARS® Pilot Project"
   Janet G. Schnall, Information Services Librarian, and Terry Ann Jankowski, Information Retrieval and Management Librarian, Health Sciences Library and Information Center, University of Washington, Seattle, WA

   "End-User Searching and New Roles for Librarians"
   Barbara Lestruct Shipman, Coordinator, Health Sciences Technical Systems and Special Projects; Diane G. Schwartz, Coordinator, Health Sciences Information Services; and Sandra C. Dow, Head, Public Health Library, University of Michigan, Ann Arbor, MI

6:30 P.M.–8:30 P.M.
   President's Reception
   "Our Students = Our Future" University of California–San Francisco Library

Wednesday, June 5

7:00 A.M.–8:30 A.M.
   Instructors Breakfast
   Imperial A, B level

7:15 A.M.–8:00 A.M.
   Medical School Libraries Breakfast
   Belmont, 4th floor

7:30 A.M.–8:30 A.M.
   Library Research Executive Session and Breakfast
   Diablo, 4th floor

7:30 A.M.–9:00 A.M.
   International Cooperation Section Executive Board Meeting
   Sonoma, 4th floor

Federal Libraries Business Meeting
   Lassen, 4th floor

Pharmacy and Drug Information Business Meeting
   Franciscan B, B level
7:30 A.M.-10:30 A.M.
Chiropractic Libraries Breakfast and Business Meeting
Marin, 4th floor

8:00 A.M.-9:00 A.M.
Educational Media and Technologies Business Meeting
Saratoga, 4th floor
Medical School Libraries Business Meeting
Belmont, 4th floor
Nursing and Allied Health Resources Business Meeting
Franciscan A, B level
Research Libraries Business Meeting
Walnut A, 4th floor
Veterinary Medical Libraries Business Meeting
Walnut B, 4th floor

8:00 A.M.-9:00 A.M.
Job Market
Monterey A, 4th floor
“The Library’s Contribution to Quality: The Bottom Line”
Sue Grossman, Kidney Health Science Library, Millard Fillmore Hospital, Buffalo, NY

8:00 A.M.-9:30 A.M.
Technical Services Program
Continental 1, B level
Moderator: Lorraine Raymond, Health Sciences Library and Information Center, University of Washington, Seattle, WA

“Cataloging Update: Rules and Subject Headings”
Stephen Van Houten, Catalog Librarian and Head of Department, Library of the Health Sciences, University of Illinois–Chicago, Chicago, IL

8:00 A.M.-9:45 A.M.
History of the Health Sciences Business Meeting
Yosemite C, B level

8:00 A.M.-10:00 A.M.
Consumer and Patient Health Information Program
Imperial B, B level
The Planetree Model: A Unique Healthcare and Information Concept
Moderator: Tracey Cosgrove, Director, Planetree Health Resource Center, Planetree Hospital, San Francisco, CA

“The Planetree Model Hospital Project”
Laura Gilpin, Associate Director, Planetree Hospital, San Francisco, CA

“The Planetree Health Resource Center”
Tracey Cosgrove, Director, Planetree Health Resource Center, Planetree Hospital, San Francisco, CA

Question-and-Answer Session

8:00 A.M.-8:40 A.M.
Dental Roundtable Discussions
Teakwood A and B, 4th floor

8:00 A.M.-8:40 A.M.
GRATEFUL MED® for Dentists
Moderator: Dolores Judkins, Dental Library, Oregon Health Sciences University, Portland, OR

8:40 A.M.-9:20 A.M.
End-User Online Search Training for Dentists
Moderator: Maureen Wren, Dental Center Library, New York University, New York, NY

9:20 A.M.-10:00 A.M.
Cooperative Projects for Dental Libraries
Moderator: Hal Gibson, Director, Health Sciences Library, University of the Pacific, San Francisco, CA

10:15 A.M.-11:00 A.M.
Invited Speakers
Moderator: Hal Gibson, Director, Health Sciences Library, University of the Pacific, San Francisco, CA

“Software to Enhance Decision-Making Skills in Geriatric Dentistry”
Roseann Mulligan, D.D.S., and Gary Wood, Ph.D., School of Dentistry, University of Southern California, Los Angeles, CA

8:00 A.M.-NOON
Bulletin Consulting Editors Panel
Tamalpais, 4th floor

8:00 A.M.-5:00 P.M.
Placement Service
Tower, Lobby level

8:30 A.M.-9:30 A.M.
Library Research Business Meeting
Toyon, 4th floor

9:00 A.M.-9:45 A.M.
Educational Media and Technologies Program
Saratoga, 4th floor
Moderator: Damon Camille, Assistant Executive Director for Library Services, Houston Academy of Medicine–Texas Medical Center Library, Houston, TX

“Overview of Interactive Videodisc Technology: Hardware and Software Considerations”
Thomas Singarella, Ph.D., Professor and Chairman, Department of Health Informatics, University of Tennessee, Memphis, TN

9:00 A.M.-10:00 A.M.
Mental Health Librarians Business Meeting
Continental 2, B level

International Cooperation Program
Sonoma, 4th floor
Moderator: Larry Ellis, University of West Indies Medical Library, Trinidad, West Indies
“Health Sciences Libraries in Two Cultures: 
Observations from Personal Experience in the 
United States and Nigeria”
Godfrey S. Belliah, Head, Department of Cataloging, 
McGoogan Library of Medicine, University of Nebraska 
Medical Center, Omaha, NE

“The Application of a Library Science Education to 
an Internship with USIS in Rangoon, Burma”
Elizabeth A. Cooley, Collection Development Librarian, 
Claus Moore Health Sciences Library, University of 
Virginia, Charlottesville, VA

“Library Automation in Biomedical Libraries in the 
Soviet Union, Including a Case Study of the 
Eye Surgery Complex Library, Moscow”
Leonard Rhine, Ph.D., Head, Technical Services, Health 
Science Center Library, University of Florida, 
Gainesville, FL

9:00 A.M.–10:30 A.M.
Federal Libraries Program
Lassen, 4th floor
Moderator: Deborah A. Thompson, Chief of Library 
Services, Denver VA Medical Center, Denver, CO

“News for Federal Librarians: Professional Classification 
and FEDLINK”
Presenters: Denis Whitebook, Chief, Classification 
Branch, U.S. Office of Personnel Management, San 
Francisco Regional Office, San Francisco, CA, and 
Kathy Eighmey, FEDLINK Librarian, Federal 
Library and Information Center Committee, Library of 
Congress, Washington, DC

Medical Library Education/Relevant Issues 
Program
Tiburon, 4th floor

Sponsored by Rittenhouse Book Distributors, Inc.

Cultural Diversity Issues in Librarianship
Moderator: Judy Bube, Head, Collection Development, 
Biomedical Library, University of California-Irvine, 
Irvine, CA

“Education and Diversity”
Gwendolyn S. Cruzat, Ph.D., Professor, School of 
Information and Library Studies, University of 
Michigan, Ann Arbor, MI

“Modern Racism and Building Multiracial and 
Multicultural Environments”
Edith Maureen Fisher, Ph.D., President, TENCE 
Enterprises, Encinitas, CA

“Recruitment and Advancement of Minority 
Librarians”
Rafaela Castro, Ethnic Studies Librarian, Humanities/Social 
Sciences Department, Shields Library, University of 
California–Davis, Davis, CA

“Diversity: Its Impact on the Development of 
Library Services”
Janice T. Koyama, Head, Moffitt Undergraduate Library, 
University of California–Berkeley, Berkeley, CA

“Training of Staff and Personnel in Preparation for 
the New Era of Diversity”
Vivian Sykes, Librarian, McHenry Library, University of 
California–Santa Cruz, Santa Cruz, CA

Public Health/Health Administration Libraries 
Program
Continental 3, B level
Contemporary Perspectives on Quality of Health 
Care
Moderator: Stephanie L. Normann, Library Director, 
School of Public Health, University of Texas Health 
Science Center, Houston, TX

“Health Care Quality Assurance: Where Did it 
come from and Where is it Now? A Bird’s-
Eye View of Quality Assurance at a University 
Hospital”
Kyra O. Janssen, Manager, Quality Assurance Program, 
University of California–San Francisco, San Francisco, 
CA

“Moving from Quality Assurance to Quality 
Improvement and Developing a Quality 
Assurance Plan for Your Hospital Library”
Susan Leary, Director of Quality Assurance, Kaiser 
Permanente, San Francisco, CA

“The Role of a Quality Improvement Network in 
Enhancing and Accelerating an Organization’s Quality Improvement Efforts”
Hanna King, Quality Improvement Network Manager, 
Health Care Forum, San Francisco, CA

9:00 A.M.–11:00 A.M.
Hospital Libraries Focus Groups
Plaza A, Lobby level
Hospital Librarianship, 1991–2000: What Do Hos­
pital Librarians Need to Succeed in the ’90s?
Moderator: Ruth Holst, Director of Library Services, 
Columbia Hospital, Milwaukee, WI

Small group discussions on a wide range of topics, 
including hospital library reference services, 
technical services, library and health care 
administration, audiovisual services, computer 
applications, standards, total quality 
management, and much more, facilitated by 
the section; two 45-minute sessions.

Public Services Program
Continental 9, B level
Revolution in Roles: Staffing Alternatives for the 
’90s
Moderator: Rochelle Clary, Head of Reference, Circula­tion 
and Interlibrary Loan, Biomedical Library, 
University of California–Irvine, Irvine, CA
“Alternative Staffing: The Manager’s Role”
Anne Wood Humphries, Head Reference Librarian, and
Gretchen Naisawald, Assistant Director for Public Services, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

“The TexSearch Help Office: An Extension to Information Desk Staffing”
Marlene Saul Engleander, Assistant Director, Information Services, and Erika E. Frensley, TexSearch Assistant, Houston Academy of Medicine-Texas Medical Center Library, Houston, TX

“House Calls: Taking Education to the User”
Jonquil D. Feldman, Consultation Services Coordinator; Inhye Kim Son, Consultation Services Coordinator; and Anne Wood Humphries, Head Reference Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA

“Information Management Skills Training in a Personal Information Management Program”
Mitchell A. Cahan, Manager of the Psychiatry, Neurosciences Library and Nursing Services, William H. Welch Medical Library, Johns Hopkins University, Baltimore, MD

“Planning a Consolidated Science Library: Public Services Staffing Implications”
Judy Bube, Head, Collection Development; Rochelle Clary, Head of Reference, Circulation, and Interlibrary Loan, Biomedical Library; and J. Michael Homan, Assistant University Librarian for the Sciences, University Library, University of California-Irvine, Irvine, CA

9:00 A.M.-11:15 A.M.
Pharmacy and Drug Information/Cancer Librarians Program
AIDS and New Drugs: Controversies and Challenges
Franciscan A, B level

Moderator: Elaine Alligood, Special Assistant to the Director, Countway Library of Medicine, Harvard University, Boston, MA

“The FDA and AIDS Drug Approval”
Speaker to be announced

“AIDS Activism and Drug Approvals”
Martin Delaney, Executive Director, Project Inform, San Francisco, CA

“Activist or Handmaiden? Issues in AIDS Drug Information”
Speaker to be announced

9:15 A.M.-10:30 A.M.
Research Libraries/Veterinary Medical Libraries Program
Walnut B, 4th floor

Animal Rights and Biomedical Research
Speakers (to be announced) will address the effect the animal rights movement has had on biomedical research and the need for the scientific community to communicate effectively with the general public about this important issue.

9:15 A.M.-11:45 A.M.
Nursing and Allied Health Resources Program
Franciscan A, B level
Pathways to Information Access/Literacy in Nursing and Allied Health: The Librarian as Facilitator
Moderators: Robert M. Pringle, Jr., Head Librarian, Intercollegiate Center for Nursing Education, Spokane, WA, and Sheryl R. Stevens, Assistant Librarian, Henry Ford Hospital, Detroit, MI

9:30 A.M.-10:30 A.M.
“Determination of Reading Levels for Selected Nursing/Allied Health/Medical Journals”
Margaret I. Peloquin, Head Librarian, Austin Community College Learning Resource Center, Riverside Campus, Austin, TX

“Making the Most of the One-Session Library Orientation for Sophomore Nursing Students”
Barbara F. Schloman, Head, Reference and Information Services, Kent State University Libraries, Kent, OH

“End-User Training for Nursing Students: Program Evaluation and Planning”
Margaret Moore, Head, Information Management Education Services, Health Sciences Library, University of North Carolina-Chapel Hill, Chapel Hill, NC

“A First Offering in Nursing Informatics”
Leslie Schick, Director, College of Nursing and Health, University of Cincinnati, Cincinnati, OH

10:45 A.M.-11:45 A.M.
“Access to Automated Academic Medical Center Library from Hospital Nursing Stations: A Cooperative Venture”
Jacqueline Picciano, Head, Access Services Department, Cornell University Medical College Library, New York, NY

“Reaching Nurses with the Literature: A Pilot Study”
Christine Thines, IAIMS Clinical Information Specialist, Department of Information Research and Development, and Vicki J. Killion, Information Services Librarian, Health Sciences Library, University of Cincinnati, Cincinnati, OH

“A Hospital Library’s Involvement in Research Projects of Practicing Nurses”
Ellen Proctor, Librarian, Health Sciences Library, Veterans Affairs Medical Center, Dayton, OH
“Midwives Information and Resource Service (MIDIRS): Born to Deliver Information to Midwives”
Sharon Chadwick, Science Librarian, Humboldt State University, Arcata, CA

9:15 A.M.–NOON
Medical School Libraries Program
Plaza B, Lobby level

The National Research and Educational Network (NREN), an Information Superhighway
Moderator: Rick B. Forsman, Deputy Director, Denison Library, University of Colorado Health Sciences Center, Denver, CO

“Issues Arising from the Emerging National Research and Education Network Environment”
Richard P. West, Associate Vice-President, Information Systems and Administrative Services, University of California–Berkeley, Berkeley, CA

“Changing Roles for Libraries in the National Information Infrastructure”
Steve Cisler, Senior Scientist, Apple Library, Advanced Technology Group, Apple Computer, Inc., Cupertino, CA

“The NREN and the Highway to Heaven”
Wayne J. Peay, Director, Eccles Health Sciences Library, University of Utah, Salt Lake City, UT

9:45 A.M.–11:15 A.M.
Library Research/Technical Services Program
Continental 1, B level
Moderator: B. J. Gramka, Head of Cataloging, Lister Hill Library, University of Alabama-Birmingham, Birmingham, AL

“Evaluation of a Journal Collection by Cost-Benefit Analysis”
Naomi Fackler, Collection Development Coordinator, and Esther Carrigan, Manager of Technical Services, Medical Sciences Library, Texas A&M University, College Station, TX

“ILS Decision Aids for Collection Development”
Loretta H. Stucki, Associate Director for Technical Services and Networking, and Elizabeth A. Kelly, Associate Director for Access Services and Information Systems, Library and Biomedical Communications Center, Washington University School of Medicine, St. Louis, MO

“Biomedical Journal Title Changes: Reasons, Trends, and Impact”
Paul E. Wrynn, Serials Librarian, New York University School of Medicine, New York, NY; and Van B. Afes, Head of Technical Services, Louis Calder Memorial Library, University of Miami School of Medicine, Miami, FL

“Validation of Selectivity: The Approval Plan in the Smaller Health Sciences Library”

Kathryn Hammell Carpenter, Bibliographer for the Health Sciences, University Library, University of Illinois–Chicago, Chicago, IL

10:00 A.M.–11:00 A.M.
Consumer and Patient Health Information Business Meeting
Imperial B, B level

10:00 A.M.–11:00 A.M.
Coffee Break
MLA Garden Cafe, Hall of Exhibits

10:00 A.M.–11:30 A.M.
Educational Media and Technologies Focus Groups
Saratoga, 4th floor
Important Issues Facing EMTS Members
Moderator: Damon Camille, Assistant Executive Director for Library Services, Houston Academy of Medicine–Texas Medical Center Library, Houston, TX

History of the Health Sciences Program
Yosemite C, B level
Jack D. Pressman, Ph.D., Assistant Professor, and Nancy Rockafeller, Ph.D., Postdoctoral Research Fellow, Department of the History of the Health Sciences, University of California–San Francisco, San Francisco, CA

10:00 A.M.–2:00 P.M.
Hall of Exhibits Open
(See “Guide to Exhibits,” pp. 59–67.)

Mental Health Librarians Focus Group
Strategic Planning
Continental 2, B level

10:30 A.M.–11:00 A.M.
Public Health/Health Administration Libraries Business Meeting
Continental 3, B level

10:30 A.M.–11:30 A.M.
International Cooperation Business Meeting
Sonoma, 4th floor

10:30 A.M.–11:45 A.M.
Relevant Issues Business Meeting
Tiburon, 4th floor

10:30 A.M.–NOON
Chiropractic Libraries Program
Marin, 4th floor
The Current Status of Indexes to the Chiropractic Literature: A Critical Review and Panel Discussion
Moderator: Marcia M. Thomas, Library Director, Ruth R. Cleveland Memorial Library, Cleveland Chiropractic College, Kansas City, MO
**WEDNESDAY, JUNE 5**

"The Index to Chiropractic Literature"
Kay Irvine, Library Director, W. A. Budden Memorial Library, Western States Chiropractic College, Portland, OR

"The Chiropractic Research Archives Collection"
Marilyn Schafer, Library Director, C. C. Clemmer Health Sciences Library, Canadian Memorial Chiropractic College, Toronto, Ontario, CN

"The CHIROLARS Database"
Barbara Schmiechen, Online Services, David D. Palmer Health Sciences Library, Palmer College of Chiropractic, Davenport, IA

10:45 A.M.–NOON
Veterinary Medical Libraries Lecture/Demonstration
Walnut B, 4th floor
CONSULTANT, a Signs and Symptoms Diagnostic Database for Animal Diseases

11:15 A.M.–12:15 P.M.
Technical Services Business Meeting
Continental 1, B level

11:15 A.M.–12:45 P.M.
Public Services Business Meeting
Continental 9, B level

Hospital Libraries Luncheon and Business Meeting
Continental 6, B level

11:30 A.M.–1:30 P.M.
Pharmacy and Drug Information Luncheon and Excerpta Medica Lecture
Franciscan C, B level

Lectureship sponsored by Elsevier Science Publishers, B.V.

Introduction: Elaine Alligood, Special Assistant to the Director, Countway Library of Medicine, Harvard University, Boston, MA
Presenter: Murray Gardner, M.D., Director, Institute for AIDS Research, University of California–Davis, Davis, CA

11:45 A.M.–1:30 P.M.
History of the Health Sciences Luncheon with Speaker
Samuel’s Restaurant, Mark Twain Hotel, 345 Taylor Street
Moderator: David W. Boilard, Director, Harley French Library of the Health Sciences, University of North Dakota, Grand Forks, ND

"Rebirth of the History of Medicine Collection at the University of Kansas Medical Center" (includes a video brochure presentation)
Susan B. Case, Rare Books Librarian, University of Kansas Medical Center, Kansas City, KS

12:30 P.M.–1:15 P.M.
Technical Services Luncheon
Cypress, 4th floor
(by invitation only)

1:00 P.M.–2:00 P.M.
Collection Development Business Meeting
Saratoga, 4th floor

1:00 P.M.–2:30 P.M.
Cancer Librarians Business Meeting
Yosemite A, B level

Sponsored by CD Plus, Inc.

Moderator: David S. Ginn, Associate Director for Information Services, Falk Library of the Health Sciences, University of Pittsburgh, Pittsburgh, PA

"Advances in Education for Health Sciences Librarianship: Medical Informatics"
Robert Wedgeworth, Dean, School of Library Service, Columbia University, New York, NY

Reactor Panelists: Prudence W. Dalrymple, Ph.D., Assistant Professor, Graduate School of Library and Information Science, University of Illinois–Urbana/Champaign, Urbana, IL; Phyllis S. Mirsky, Associate University Librarian, Administrative and Public Services, University of California–San Diego, La Jolla, CA; and Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

1:00 PM.–2:45 P.M.
Medical Informatics Technical Session
Imperial B, B level

Libraries and the Future of Medical Informatics
Moderator: Nancy K. Roderer, Acting Director, Augustus C. Long Health Sciences Library, Columbia University, New York, NY

"Networking Information Resources to the Site of Patient Care"
Edward H. Shortliffe, Ph.D., Professor of Medicine and of Computer Science, Stanford University, Stanford, CA

NOON–2:00 P.M.
Medical Society Libraries Luncheon with Speaker
Belmont, 4th floor
Moderator: Patricia Gibson, Vice-President for Information Services, American Academy of Family Physicians Foundation, Kansas City, MO

"Leading the Way in AIDS Policy Development: The Experience of the California Medical Association"
Mark L. Madsen, Director, Department of Physician Education, California Medical Association, San Francisco, CA

11:00 A.M.–12:00 P.M.

12:30 P.M.–1:15 P.M.
Technical Services Luncheon
Cypress, 4th floor
(by invitation only)

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Saratoga, 4th floor

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Cypress, 4th floor
(by invitation only)

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Collection Development Business Meeting
Saratoga, 4th floor

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Yosemite A, B level

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Edward H. Shortliffe, Ph.D., Professor of Medicine and of Computer Science, Stanford University, Stanford, CA
“Medical Librarians and Medical Informatics”  
Sherrilynne S. Fuller, Ph.D., Director, Health Sciences Library and Information Center, and Affiliate Assistant Professor, Department of Medical Education, Medical School, and Debra S. Ketchell, Associate Director for Resource Management and Systems Development, Health Sciences Library and Information Center, University of Washington, Seattle, WA

1:15 P.M.–3:30 P.M.  
**Technical Services Program**  
Continental 1, B level  
**Moderator:** Lorraine Raymond, Health Sciences Library and Information Center, University of Washington, Seattle, WA

“NLM Update”  
Sally K. Sinn, Deputy Chief, Technical Services Division, National Library of Medicine, Bethesda, MD

“SERLINE®: Access to Serials Data from the National Library of Medicine”  
Dianne McCutcheon, Assistant Head, Serial Records Section, National Library of Medicine, Bethesda, MD

1:30 P.M.–3:30 P.M.  
**Hospital Libraries Program**  
Plaza A and B, Lobby level  
**Moderator:** Richard S. Klein, Director of Library Services, Doctor William M. Scholl School of Podiatric Medicine, Chicago, IL  
**Introduction:** Rachael K. Anderson, Director, Health Sciences Center Library, University of Arizona, Tucson, AZ

“Image Empowerment: Strategies for the Health Sciences Librarian”  
Kaycee Hale, Executive Director, Resource and Research Center, Fashion Institute of Design and Merchandising, Los Angeles, CA

1:30 P.M.–3:45 P.M.  
**Pharmacy and Drug Information/Relevant Issues Program**  
Franciscan B, B level  
**Medical Informatics in Drugs and AIDS**  
**Moderator:** Elaine Alligood, Special Assistant to the Director, Countway Library of Medicine, Harvard University, Boston, MA

“Distinguishing Drug Effects from Disease Effects: Making Diagnoses More Accurate”  
Michael Mabry, M.D., NLM Fellow in Medical Informatics, University of Pittsburgh, Pittsburgh, PA

“Librarians in Medical Informatics, What’s Our Role: Activist or Pacifist?”  
Nina Dougherty, Assistant Director for Information Services and Adjunct Instructor, Department of Medical Informatics, University of Utah, Salt Lake City, UT

1:30 P.M.–4:00 P.M.  
**Veterinary Business Meeting**  
Teakwood A and B, 4th floor  

**Veterinary Medical Libraries Tour**  
San Francisco Society for the Prevention of Cruelty to Animals

2:00 P.M.–3:00 P.M.  
**Medical Society Libraries Business Meeting**  
Belmont, 4th floor

2:00 P.M.–3:30 P.M.  
**Collection Development Program**  
Saratoga, 4th floor  
**Collection Assessment in Health Sciences Libraries**  
**Moderator:** Anne M. Pascarelli, Director, Sheppard Library, Massachusetts College of Pharmacy and Allied Health Sciences, Boston, MA

“An Overview of Collection Assessment Techniques”  
Daniel T. Richards, Collection Development Officer, National Library of Medicine, Bethesda, MD

“The Deselection Process in Collection Analysis”  
Mark E. Funk, Collection Development Librarian, Samuel J. Wood Library, Cornell University Medical College, New York, NY

**Public Services Special Interest Groups**  
Continental 9, B level

“End-User Training: Does It Work?”  
Virginia Garvin Saha, Assistant Director, Cleveland Health Sciences Library, Cleveland, OH

“Changing Roles: Paraprofessionals at the Reference Desk”  
Jayne Campbell, Manager, Welch Information and Online Services, William H. Welch Medical Library, Johns Hopkins University, Baltimore, MD; Janita Lawrence, Information Services/Online Services Coordinator, Library, University of Texas Health Sciences Center-San Antonio, San Antonio, TX; Judie Malamud, Director, D. Samuel Gottesman Library, Albert Einstein College of Medicine, Bronx, NY; and Elaine R. Martin, Associate Director for Education, Clinical, and Research Services, Health Sciences Library and Information Center, University of Washington, Seattle, WA
“Coordinator, Team, or Department: Administrative Configurations for Information Management Education”
Kathryn Nesbit, Education Librarian, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, NY; M. J. Tooey, Assistant Director for Information Services, Health Sciences Library, University of Maryland-Baltimore, Baltimore, MD; and Margaret Moore, Head, Information Management Education Services, Health Sciences Library, University of North Carolina-Chapel Hill, Chapel Hill, NC

2:00 P.M.-4:00 P.M.
History of the Health Sciences Tour
Special Collections, The Library, University of California-San Francisco, with Nancy Zinn, Head of Special Collections and University Archivist

2:30 P.M.-3:30 P.M.
Cancer Librarians
10th Anniversary Reception
Yosemite A, B level

Medical Library Education Business Meeting
Continental 7 and 8, B level

4:00 P.M.-5:00 P.M.
Plenary Session III
Continental Ballroom, B level

Joseph Leiter NLM/MLA Lecture
Introduction: Donald A. B. Lindberg, M.D., Director, National Library of Medicine, Bethesda, MD

“Scientists’ Needs and Opportunities for Communication”
Joshua Lederberg, M.D., Ph.D., Professor, Rockefeller University, New York, NY

Jointly funded by the Joseph Leiter NLM/MLA Lectureship Endowment and the Northern California and Nevada Medical Library Group, a chapter of MLA.

Videotaping underwritten by Ballen Booksellers International, Inc.

Presentation of Awards
Joseph Leiter NLM/MLA Lectureship
Marcia C. Noyes Award

5:00 P.M.-6:00 P.M.
Business Session III
Continental Ballroom, B level
Presiding: Lucretia W. McClure, President, Medical Library Association, and Medical Librarian and Associate Professor of Medical Bibliography, Edward G. Miner Library, University of Rochester School of Medicine and Dentistry, Rochester, New York.

Old Business
New Business
Resolutions

Welcome to 1992 Host City, Washington, DC
Pamela Jajko, Chairman, 1992 National Program Committee, Director of the Library and Information Center, El Camino Hospital, Mountain View, CA, and Laurie Thompson, Chairman, 1992 Local Assistance Committee, and Associate Director of Library Operations, Himmelfarb Library, George Washington University, Washington, DC
Presentation of MLA Scholarships and Grants
Research, Development, and Demonstration Project Grant
Joanne G. Marshall, Assistant Professor, Faculty of Library and Information Science, University of Toronto, Toronto, Ontario, CN

Barbara Carlson, Head, Serials Management, and Robert Poyer, Coordinator of Public Services, Library, Medical University of South Carolina, Charleston, SC

Continuing Education Grant
Patricia J. Hamilton, Director, Rapid City Regional Hospital, Health Sciences Library, Rapid City, SD

MLA Scholarship
Joyce Condon, Microbiologist and Library Intern, Porter Memorial Hospital, Denver, CO

MLA Scholarship for Minority Students
Louis Lik-Fu Tong, Information Assistant, Houston Academy of Medicine-Texas Medical Center Library, Houston, TX

Recognition of Retiring Board Members

Introduction of Incoming Board Members

Inaugural Address
“Bringing Back the Librarian”
Richard A. Lyders, President, Medical Library Association, and Executive Director, Houston Academy of Medicine-Texas Medical Center Library, Houston, TX

Adjournment

6:30 P.M.-8:00 P.M.
Farewell Party
San Francisco Cable Museum, Powerhouse and Car Barn

Transportation will be provided compliments of EBSCO Subscription Services.

Thursday, June 6

8:00 A.M.-NOON
Section Council
Sonoma, 4th floor

8:00 A.M.-2:00 P.M.
Chapter Council
Belmont, 4th floor

8:00 A.M.-5:00 P.M.
Continuing Education Committee
Toyson, 4th floor

8:30 A.M.-NOON
Hospital Libraries Section Executive Committee
Cypress, 4th floor

8:30 A.M.-5:00 P.M.
American Medical Informatics Association/MLA Symposium
Continental 5, B level (Symposium begins in this location.)

9:00 A.M.-4:30 P.M.
MLA/Library Research Section Symposium
Franciscan A, B level (Symposium begins in this location.)

Friday, June 7

9:00 A.M.-3:00 P.M.
Board of Directors
Teakwood, 4th level

9:00 A.M.-5:00 P.M.
1992 National Program Committee
Continental C, B level
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<table>
<thead>
<tr>
<th>Meeting</th>
<th>Date</th>
<th>Time</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academy Consultation</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–7:00 P.M.</td>
<td>Tiburon A, 4th floor</td>
</tr>
<tr>
<td>Association of Visual Science Librarians</td>
<td>Sunday, June 2</td>
<td>10:00 A.M.–NOON</td>
<td>Marin, 4th floor</td>
</tr>
<tr>
<td>CAPHIS Executive Committee</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–9:00 P.M.</td>
<td>Teakwood A, 4th floor</td>
</tr>
<tr>
<td>CD Plus User Group</td>
<td>Monday, June 3</td>
<td>6:15 P.M.–8:15 P.M.</td>
<td>Continental 3, B level</td>
</tr>
<tr>
<td>Compact Cambridge Users Group</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–7:30 P.M.</td>
<td>Franciscan B, B level</td>
</tr>
<tr>
<td>Department of Veterans Affairs</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Plaza A, Lobby level</td>
</tr>
<tr>
<td>DOCLINE*/Loansome Doc Sharing Meeting</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Yosemite A, B level</td>
</tr>
<tr>
<td>Exchange Advisory Committee (automation pilot project evaluation)</td>
<td>Monday, June 3</td>
<td>7:00 P.M.–9:00 P.M.</td>
<td>Franciscan C, B level</td>
</tr>
<tr>
<td>Hospital Libraries Section (Automation Forum)</td>
<td>Monday, June 3</td>
<td>8:00 P.M.–10:00 P.M.</td>
<td>Franciscan D, B level</td>
</tr>
<tr>
<td>Hospital Libraries Section (all-committee meeting)</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Yosemite C, B level</td>
</tr>
<tr>
<td>Institute for Scientific Information</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Cypress, 4th floor</td>
</tr>
<tr>
<td>MCMLA (Midcontinental Chapter) Executive Meeting</td>
<td>Sunday, June 2</td>
<td>7:00 A.M.–10:00 A.M.</td>
<td>Tamalpais, 4th floor</td>
</tr>
<tr>
<td>Membership Committee</td>
<td>Sunday, June 2</td>
<td>10:00 A.M.–11:30 A.M.</td>
<td>Shasta, 4th floor</td>
</tr>
<tr>
<td>Mental Health Librarians Section</td>
<td>Wednesday, June 5</td>
<td>8:00 A.M.–9:00 A.M.</td>
<td>Continental 2, B level</td>
</tr>
<tr>
<td>Outreach Librarians</td>
<td>Wednesday, June 5</td>
<td>8:00 A.M.–10:00 A.M.</td>
<td>Continental 7, B level</td>
</tr>
<tr>
<td>Pediatric Librarian Group</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Saratoga, 4th floor</td>
</tr>
<tr>
<td>Section CE/Professional Development Liaison</td>
<td>Tuesday, June 4</td>
<td>8:00 A.M.–9:00 A.M.</td>
<td>Sausalito B, 4th floor</td>
</tr>
<tr>
<td>SERHOLD* Coordinators</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–7:00 P.M.</td>
<td>Walnut A and B, 4th floor</td>
</tr>
<tr>
<td>South Central Chapter</td>
<td>Tuesday, June 4</td>
<td>7:00 A.M.–9:00 A.M.</td>
<td>Walnut A, 4th floor</td>
</tr>
<tr>
<td>Southern Chapter/MLA</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–9:00 P.M.</td>
<td>Teakwood B, 4th floor</td>
</tr>
<tr>
<td>Technical Services Section</td>
<td>Monday, June 3</td>
<td>6:00 P.M.–8:00 P.M.</td>
<td>Cypress, 4th floor</td>
</tr>
</tbody>
</table>
Books and journals on display

harwood academic publishers

• Liability in Medical Practice: A Reference for Physicians
  Norman S. Blackman, State University of New York, Brooklyn • Charles P. Bailey, Hahnemann University, Philadelphia, Pennsylvania
  Direct, practical and free of legal jargon, this book approaches the medical liability issue within the framework of accepted medical ethics, and covers its history, present status and outlook for the future. An indispensable assembly of background information and specifics on an increasingly important issue in modern medical practice!

• Treatment of Chronic Pain: Possibilities, Limitations and Long-Term Follow-up
  Edited by M. Mumenthaler, Universität Klinik, Bern, Switzerland • P.A. Van Zwieten, Universiteit van Amsterdam, The Netherlands • J.-M. Farrot, Clinique de la Toussaint, Strasbourg, France
  New pain therapies are examined from the perspective of their immediate effectiveness in light of potential for long-term use. Furnishing data gained from carefully conducted studies, Treatment of Chronic Pain makes a significant contribution to the development of a new, scientifically-based therapy for pain.

• HPB Surgery: A World Journal of Hepatic, Pancreatic and Biliary Surgery
  Coordinating Editor: Stig Bengmark, Land University, Sweden
  This journal has a worldwide outlook that is at the forefront of progress in experimental and clinical developments in the specialty. Drawn from its worldwide base, the editorial board selects papers addressing the broad subjects and highly specialized topics that comprise the whole of HPB surgery. In addition, reviews and comments on papers published elsewhere appear in a section titled HPB International, and news of meetings and other events of interest to HPB surgeons round out the journal's content.
  4 issues per volume / ISSN: 0894-8569 / Current subscription: Volumes 3-4 (1991)

• Cancer Therapy and Control
  Editor in Chief: E.T. Bocucu, University of Tennessee, Memphis
  As an international journal, Cancer Therapy and Control presents original observations and investigations related to all aspects of human oncobiology, including research, treatment and management. This journal accepts the challenge of making accessible the increasing quantity of specialized information to a growing and diverse audience.
  4 issues per volume / ISSN: 0896-5080 / Current subscription: Volume 2 (1991)

• Developmental Immunology
  Editors in Chief: Harald von Boehm, Basel Institute for Immunology, Switzerland • Tadamitsu Kishimoto, Osaka University, Japan
  Covering cellular and molecular areas of developmental immunology, this journal reports on both ontogenetic and phylogenetic elements by way of contributions from experts in the field, and presents expanding knowledge of developmental aspects of the immune system. Recently emerged as a specialized area of study, papers concerning development immunology have appeared in various journals; now this information is available in a single, convenient source.
  4 issues per volume / ISSN: 1044-6672 / Current subscription: Volume 1 (1991)

• Leukemia & Lymphoma
  Editor in Chief: Aaron Polliauck, Hadassah University Hospital, Jerusalem, Israel
  Leukemia & Lymphoma is an international journal that brings together clinical and laboratory data on lymphomas, leukemias and allied disorders. It publishes full-length papers, communications and reviews on clinical and therapeutic practice, laboratory diagnosis, pathology, cytology, ultrastructure, cytogenetics, and cellular and molecular immunology, with a strong clinical-pathologic correlation.
  6 issues per volume / ISSN: 1042-8194 / Current subscription: Volumes 4-5 (1991)

• Pediatric Reviews and Communications
  Editors: David Burman, Bristol, United Kingdom • Philip Lanzkowsky, Schneider Children's Hospital of Long Island, New Hyde Park, New York
  An international forum for original articles and reviews on all aspects of pediatric practice and child health...covering general pediatrics and the broad scope of pediatric subspecialties as diverse as psychiatry, surgery and nursing.
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Enhancing the Power of Knowledge
PARLIAMENTARY RULES ARE established to aid organizations in the orderly, expeditious, and equitable accomplishment of their business. Because order and good will are essential to the process of working together and achieving common goals, it is essential that association members have an understanding and working knowledge of parliamentary procedure. The following overview is offered as a guide to participating in business meetings of the Medical Library Association.

Parliamentary Authority
As provided for in the Bylaws of the Medical Library Association (Article XIII, Section 1), rules in the current edition of Robert’s Rules of Order Newly Revised, 1990 edition, 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
According to the MLA Bylaws (Article II, Section 8), 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 5% (of the 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.

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.

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**

<table>
<thead>
<tr>
<th>Motion Description</th>
<th>Equivalent Motion</th>
</tr>
</thead>
<tbody>
<tr>
<td>To object to a decision of the chair</td>
<td>Move to object to decision of the chair</td>
</tr>
<tr>
<td>To reconsider a vote</td>
<td>Move to reconsider a vote (you must have voted on the prevailing side the first time)</td>
</tr>
<tr>
<td>To refer a motion for more study</td>
<td>Move to refer a motion for more study</td>
</tr>
<tr>
<td>To repeal action</td>
<td>Move to repeal action</td>
</tr>
<tr>
<td>To suppress a question</td>
<td>Move to suppress a question</td>
</tr>
</tbody>
</table>

Procedure for Handling A Main Motion

- 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.

- Another member without rising seconds the motion.
- The chair restates the motion and calls for debate. 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.
- 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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American Medical Association (Booth 156)
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312/464-5310
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American Psychiatric Press, Inc. (Booth 125)
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CONCURRENT SESSIONS

ABSTRACTS
MULTIPLE THESAURUS AND THE PUBLIC CATALOG Gary L. Strawn, Authorities Librarian/Library Systems Analyst, Northwestern University Libraries, Evanston, IL
A project at Northwestern University Library which identified corresponding subject headings in the MeSH and LCSH systems is summarized. This project drew upon a preliminary version of the UMLS Metathesaurus, established headings and cross references in authority records, and subject headings in bibliographic records. During the course of the project, 8,799 MeSH and 9,427 LCSH authority records representing equivalent terms were enhanced with subject-mapping information, and 1,398 cross references were added. The use of subject mapping information in public catalog displays during searches which encompass multiple thesauri is described. Directions for future development are identified.
Gary L. Strawn, Authorities Librarian/Library Systems Analyst, Northwestern University Library, 1935 Sheridan Road, Evanston, IL 60208

PROCESSING BIOMEDICAL LANGUAGE: THE ROLE OF THE UMLS™ KNOWLEDGE SOURCES Alexa T. McCray, Ph.D., Lister Hill Center, National Library of Medicine, Bethesda, MD
An ongoing research effort at NLM's Lister Hill National Center for Biomedical Communications concerns natural language processing for improved representation and retrieval of biomedical information. The primary focus of this research program is the development of SPECIALIST, an experimental system for parsing, analyzing and accessing biomedical text. The system uses lexical, morphological, syntactic and semantic information as it builds structured representations of sentences in biomedical texts. The SPECIALIST system is currently being augmented with information from the two recently released UMLS Knowledge Sources, Meta-™ and the UMLS Semantic Network. Meta-™ contains information about a large number of biomedical concepts that appear in several controlled vocabularies. Each concept in Meta-™ has been assigned to at least one of the basic semantic types included in the Semantic Network. The Network defines these types and includes a set of potentially useful relationships between them. The talk will describe the SPECIALIST system, show how the system is intended to facilitate retrieval of biomedical information, and illustrate the role of the UMLS Knowledge Sources in this process.
Alexa T. McCray, Ph.D., Lister Hill Center, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894

COACH: AN EXPERT SEARCHER ADJUNCT PROGRAM FOR USERS OF GRATEFUL MED Lawrence C. Kingsland III, Ph.D., Tamas E. Doszkocs, Ph.D.; Edmund J. Syed; Peri L. Schuyler; Donald A. B. Lindberg, M.D. National Library of Medicine, Bethesda, MD
The Coach expert searcher system is being developed at NLM to assist Grateful Med users seeking help in improving retrieval from ELHILL. Initial work has concentrated on MEDLINE and its backfiles, and in particular on the problem of null retrieval. Subsequent functions will address searching problems relevant to other MEDLARS files. Coach offers true ELHILL multiple searches, ELHILL sorting of output citations before download, and considerable flexibility in the presentation forms of downloaded results. It works interactively with the user, with Grateful Med and with ELHILL. Coach creates multiple searches when appropriate, then uses Grateful Med's Standalone Search Engine to merge these searches with one ELHILL. It displays for the user postings resulting from the searches by individual search statement and final result, without the cost of multiple downloads. The user picks the best search and with a single keystroke executes that search with download.
Lawrence Kingsland, Ph.D.; National Library of Medicine; 8600 Rockville Pike; Bethesda, MD 20894
INTRODUCTION TO PUBLISHING FOR HEALTH SCIENCES LIBRARIANS: AN EXPERT PANEL PRESENTATION ORGANIZED BY THE COLLECTION DEVELOPMENT SECTION. Anne M. Pascarelli, Director, Massachusetts College of Pharmacy Library, Boston, MA and John Patruno, Director, Health Science Library, University of Tennessee Health Science Center, Memphis, TN.

Health sciences librarians spend institutional resources to create and organize scholarly information services based upon the literature of health care. It is therefore important that health sciences librarians understand how that literature is created and marketed. Presentations by two independent publishers who have built successful publishing houses will describe the processes involved in creating, developing, marketing and ensuring the quality of the scientific literature. Such topics as how publishers develop a new journal or book, how editorial boards are created, factors that determine publication format and price, and a look toward health sciences publishing in the year 2000, among other important topics will be addressed by Dr. Marcel Dekker, Inc. and Mary Ann Liebert, President of Mary Ann Liebert, Inc. Presentations will be followed by a question and answer period. The panel will be moderated by Anne Pascarelli.

SATELLITE: BUILDING ELECTRONIC BRIDGES TO MEDICAL LIBRARIES IN THE DEVELOPING WORLD Charles Clements, Executive Director, Satellite, Cambridge, MA USA and Tony McSean, Librarian British Medical Association, London, UK

Satellite, an international not-for-profit organization, created by the Nobel peace laureate International Physicians for the Prevention of Nuclear War, links medical communities globally with each other and with sources of information.

Satellite’s Access to Medical Information service (AMI) uses donated transponder capacity on a broadcast satellite to transmit medical literature. The Central Medical Library of Poland (CMLP) forwards requests via electronic mail (EARN) to the Library of the British Medical Association (LBMA), which “taxes” back the material via the specially designed MIS satellite channel. In the first six weeks of 1991 the LBMA serviced four hundred CMLP requests compliments of AMI. Satellite’s HealthNet uses low-earth orbit satellites to provide electronic mail even where there is no telephone. Ground stations are simple combinations of radios and personal computers. A five nation pilot project will link medical schools in Kenya, Tanzania, Uganda, Zambia, and Zimbabwe. The test transmission of a thirty thousand byte article from the New England Journal of Medicine (NEJM) to the initial ground station in Nairobi took place in January and was error free. The NEJM is the first of a core of journals that are to be electronically distributed without charge.

Charles Clements, 126 Rogers St, Cambridge, MA 02142 USA
MLA'S ROLE IN THE LEGISLATIVE PROCESS. Sara Jean Jackson, Director, Research Medical Library, University of Texas M.D. Anderson Cancer Center, Houston, TX.

MLA's interest and involvement in legislative issues has been evident in some degree since the 1960s. In recent years a greater impact has been effected through the activities of a combined MLA/AHSLD task force. Among other emphases the development of a strengthened legislative network is a high priority today. This session will emphasize the importance of membership commitment to the legislative process.

Sara Jean Jackson, University of Texas M.D. Anderson Cancer Center, Box 99, 1515 Holcombe Blvd., Houston, TX 77030

PRESENTING YOUR CASE TO CONGRESS. Legislative Aide To Be Announced.

The speaker will give a congressional staff perspective on how constituents can most effectively present their views to Congress through letters, telephone calls, and personal visits. Participants will also gain an insider's view of what happens with information received from constituents.

MLA GOES TO WASHINGTON. Mary M. Horres, Biomedical Librarian and Associate University Librarian, Sciences, Biomedical Library, University of California, San Diego, La Jolla, CA; Wayne J. Payy, Director, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT; and Joan S. Zenan, Director, Savitt Medical Library, University of Nevada, Reno, NV.

These speakers will present a role play of a congressional visit. The congressional aide will review the role play, and the speakers will add additional insights and lead a brief discussion.

Mary M. Horres, Biomedical Library C-075-B, Univ. of California, San Diego, La Jolla, CA 92093

JUST HOW CAN WE MAKE A DIFFERENCE AS MLA LOBBYISTS? Jon Eldredge, Assistant Professor and Chief of Collection & Information Resources Development, Medical Center Library, University of New Mexico, Albuquerque, NM.

This session will enable MLA members to successfully represent the interests of medical libraries as volunteer lobbyists. The speaker will draw upon familiar experiences such as librarian - vendor interactions to clarify the position of the lobbyist in the public policy process. In addition, he will dispel popular misconceptions about what makes lobbyists effective and introduce a core set of principles that each attendee will be able to apply to their own lobbying efforts. These core principles for lobbyists are derived from thirty years of rigorous empirical research by political scientists on interest group politics. Participants will be surprised by some of the research findings, and be better prepared to lobby in Washington, DC (or back home), for medical libraries.

Jon Eldredge, UNM Medical Center Library, University of New Mexico, North Campus, Albuquerque, NM 87131

LEGISLATIVE UPDATE. June Glaser, Director, Basil G. Bibby Library, Eastman Dental Center, Rochester, NY

MLA's Governmental Relations Committee monitors existing and pending legislation and provides the MLA membership with information about legislative and regulatory events at the national level. A summary of current activities and issues of concern will be presented.

June Glaser, Basil G. Bibby Library, Eastman Dental Center, 625 Elmwood Ave., Rochester, NY 14620
THE PLANETREE MODEL: HELPING CONSUMERS BE ACTIVE PARTICIPANTS IN THEIR OWN HEALTH CARE. Laura Gilpin, MFA, RN, Associate Director, Planetree, San Francisco, California; Tracey Cosgrove, MLIS, Director, Planetree Health Resource Center, San Francisco, California.

Planetree is a national nonprofit consumer health organization dedicated to helping patients and consumers become active participants in their health and medical care. Founded in 1978, Planetree was named after the tree under which Hippocrates taught the first medical students. In July of 1981, the Planetree Health Resource Center, a consumer health library opened on the campus of Pacific Presbyterian Medical Center (PPMC) in San Francisco. In 1985, the first Planetree Model Hospital Unit, dedicated to humanizing the hospital experience for patients opened. Since the development of these nationally recognized models, Planetree had helped other organizations establish successful consumer health resource centers and hospital units throughout the country.

This presentation will introduce the philosophy and concepts of the Planetree Health Resource Center and the Planetree Model Hospital Program. Presenters will cover the inception of this organization, and the development and implementation of the Planetree Hospital Units and Consumer Health Resource Centers. Through the development and replication of these model programs throughout the country, Planetree offers an expanded vision for the future of health care.

"LEADING THE WAY IN AIDS POLICY DEVELOPMENT: THE EXPERIENCE OF THE CALIFORNIA MEDICAL ASSOCIATION" Mark Madsen, MPH, Director, Dept. of Physician Education, California Medical Association, P.O. Box 7690, San Francisco, CA 94120-7690

In the 1980s the United States and the world were faced with an epidemic that, more than any other disease, challenged the medical profession's ability to treat, cure, and eradicate a single disease. It challenged the very core of medicine and the ethical beliefs that have guided physicians' behavior for centuries.

While struggling with these dilemmas, the California Medical Association also needed to develop policy in areas where no policy existed or where existing policy was inadequate to deal with the complexities that were a part of the AIDS epidemic.

In 1984 the Task Force on AIDS and Sexually Transmitted Diseases was formed. Its mission was to develop and recommend policies, public health strategies, and legislative changes to CMA's governing council. The resulting policies have addressed some of the nation's thorniest AIDS issues such as needle exchange programs and the HIV infected health care worker.

This presentation will examine the process and content of CMA's policy development on HIV disease.
THE APPLICATION OF A LIBRARY SCIENCE EDUCATION TO AN INTERNSHIP WITH USIS IN RANGOON, BURMA. Elizabeth A. Cooley, Collection Development Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA.

This paper will show the educational value of an internship while attending library school, and the special value of an internship abroad. It will discuss how the author applied her classroom experience to her work environment in a United States Information Service (USIS) library. While attending the University of Michigan's Information and Library Studies Program, the author spent four months at the United States Embassy in Rangoon, Burma with USIS. Projects worked on during the internship were varied and encompassed a multitude of areas. The first project, personnel training in reference and cataloging, enabled the author to prepare two staff members for their jobs. An inventory project introduced new staff to the collection and prioritized what projects should be taken on within the summer's time frame. Reorganization of the card catalog allowed staff to become familiar with the Library of Congress classification system while correcting cataloging and filing problems. Preservation and organization of the embassy's Burmese history collection led to bibliographic work on this collection. All of these projects led to the educational enhancement of the intern's curriculum at the University of Michigan, while helping the staff at USIS with their continuing education goals. The internship can serve as a model for foreign medical libraries wishing to offer such an internship to encourage the educational growth of the intern and the host library. Elizabeth A. Cooley, Claude Moore Health Sciences Library, UVA, Charlottesville, VA 22901

LIBRARY AUTOMATION IN THE SOVIET UNION: A CASE STUDY OF THE "EYE MICRO SURGERY" COMPLEX LIBRARY, MOSCOW Leonard Rhine, Ph.D., Head, Technical Services, Health Science Center Library, University of Florida, Gainesville, FL.

The presentation is a summary of observations from two professional trips to the Soviet Union. In April 1989, the author visited a number of biomedical libraries in Moscow and Leningrad. During June 1990, the presenter served as a consultant for the Intersectoral Research and Technology "Eye Microsurgery" Complex Library.

The presentation will review the state of library automation at a number of biomedical libraries in the Soviet Union. The level and direction of automation at the "Eye Microsurgery" Complex Library will be discussed in depth. Since the Eye Complex generates considerable hard currency, the library has been able to begin a comprehensive automation plan. The success of this Library's automation program will be compared and contrasted with the overall automation situation for biomedical libraries in the Soviet Union. Leonard Rhine, Head, Technical Services, Health Science Center Library, University of Florida, Box J-206, Gainesville, FL 32610
Recruitment and Advancement of Minority Librarians

Rafaela Castro, Ethnic Studies Librarian, University of California, Davis, CA.

A presentation of recommendations for new and modified programs in the area of recruitment and hiring of African American, Asian American, Chicano/Latino, and Native American librarians, and for the promotion and advancement of racial and ethnic librarians already in a library system. Serious issues will be raised that have impacted negatively on the recruitment and hiring of ethnic librarians. Recommendations that outline specific programs for changing the situation will be presented. A bibliography of suggested readings will be distributed.

Rafaela Castro, Ethnic Studies Librarian, Shields Library, University of California, Davis, CA 95616.

DIVERSITY: ITS IMPACT ON THE DEVELOPMENT OF LIBRARY SERVICES

Janice T. Kogon, Head Librarian Moffitt Undergraduate Library University of California, Berkeley Berkeley, CA 94720

Sometime during the decade 2000-2010— one projection targets the year 2003— non-Hispanic whites will no longer constitute a majority in California. This unprecedented demographic phenomenon is already a social reality on many university campuses where undergraduates now reflect a broad representation of this state's population. How should academic librarians respond to a changing student body, and hopefully, a more diversified staff and faculty? The implications of immigration, curricular reform, and increasing economic differentiation in society lead to issues which should affect the development and character of library operations and services such as collection development, preservation, bibliographic instruction and management.
ALTERNATIVE STAFFING: THE MANAGER’S ROLE
Anne Wood Humphries, Head Reference Librarian, and
Gretchen V. Naisawald, Assistant Director for Public Services, The Claude Moore Health Sciences Library (CMHSL) of the University of Virginia Health Sciences Center, Charlottesville, Virginia 22908

Computerized information systems have made time-intensive instruction a commonplace activity in daily reference interactions. The manager must balance traditional information services against development of new initiatives. Management issues involved in alternative staffing of service departments include recruitment, training, time management skills, and effective communication.

The Claude Moore Health Sciences Library (CMHSL) of the University of Virginia has utilized a variety of strategies to expand resources, including job sharing one professional position, offering a library school student a practical experience, and designing special service windows. The manager of CMHSL has been responsible for: (1) recruitment and training Reference Assistants to handle basic reference duties, and involving staff from other departments.

Flexible hours, interdepartmental staffing, and part-time positions require the manager to maintain effective communication and to closely prioritize staff activities using time management techniques. The benefits of staffing alternatives include improved morale, greater productivity, flexibility in staffing options, recruitment and retention of quality staff, and expanded expertise in developing creative management strategies.

INFORMATION MANAGEMENT SKILLS TRAINING
Mitch Cahan, N.L.S., Manager, Psychiatry Neurosciences Library and Nursing Information Resource Center, The William H. Welch Medical Library, The Johns Hopkins University School of Medicine, 1900 East Monument Street, Baltimore, Maryland

During the past several years the demand for computer based bibliographic instruction in the academic medical center has grown significantly. In support of the changing information seeking behaviors identified in the IAIMS environment of the Johns Hopkins Medical Institutions, librarians have taken on new roles as information consultants. Consulting information specialists have designed a multiterried, CME Category 1 approved course for AMA PRA credit addressing the fundamental components of information management skills for the clinician. In response to both the expanding role of the information consultant and the need for a personalized approach to computer based education, staff of the William H. Welch Medical Library have provided instruction in construction of SDS in support of research, retrospective and comprehensive searching of MEDLINE in support of publication, and reprint management. Classes are easily altered for specialists in each clinical area. Follow-up consulting services support use of advanced features of software platforms such as the GRATEFUL MED search engine, construction of personal databases and the design of personalized materials to support information activities. The paper will review the Welch consulting program and examine the impact of the program on the participants in the clinical sciences.

HOSUECALLS: TAKING EDUCATION TO THE USER
Jonquil D. Feldman, Inhye Kim Son, Consultation Services Coordinators; Anne Wood Humphries, Head Reference Librarian. The Claude Moore Health Sciences Library, University of Virginia, Charlottesville, Virginia

In the past year the Claude Moore Health Sciences Library has introduced several self-service online systems including an online catalog, mini-MEDLINE, ALERTS/Current Contents and CD-ROM systems. A program called Housecalls was developed to help faculty and staff to learn about the new systems at meetings outside the library such as divisional grand rounds, regular staff meetings and specially arranged workshops. The program was publicized through faculty mailing, in the library newsletter and through contacts in Health Sciences Center departments.

The paper presents the Housecalls, a checklist was created that included: 1) name, department and phone number of contact person; 2) time and location of meeting; 3) topic(s) to be covered; 4) available equipment; and 5) equipment needed. Some creative methods were employed to illustrate the systems in the absence of direct telephone lines, including overheads depicting each screen and prepared searches on disk that were displayed using a PC and projection pad.

About three hundred people attended 21 Housecalls that consisted primarily of tailored demonstrations of the online catalog and mini-MEDLINE; some sessions also included an overview of other library systems and services. Despite a few technical problems, the program overall was successful and future plans include expanding the Housecalls to include personal consultations at clients’ workstations.

Jonquil D. Feldman, The Claude Moore Health Sciences Library, Box 234, University of Virginia, Charlottesville, Virginia, 22908.

THE TEXSEARCH HELP OFFICE: AN EXTENSION TO INFORMATION DESK STAFFING
Marlene Saul Englebard, Assistant Director, Information Services and Erika E. Frensley, Information Assistant, Houston Academy of Medicine/Texas Medical Center Library, 1133 M.D. Anderson Blvd., Houston, TX 77030

In September, 1988, the Houston Academy of Medicine/Texas Medical Center Library (HAM-TMC), in conjunction with two other libraries, began providing local, free, end-user access to the past 5 years of MEDLINE (TexSearch).

Currently, access is available a number of ways, including 9 dedicated terminals in the library, and dial-in from office or home.

In anticipation of the volume and diversity of questions that clients would have regarding successful use of TexSearch, the library established the TexSearch HELP Office. The HELP Office is staffed by a full-time Assistant whose charge is to provide help to anyone who calls, or comes to the library, with TexSearch-related questions. She is also the librarian to the Computer Center, and informs library staff when there are systems changes or enhancements, or when new files are loaded onto TexSearch.

This paper describes the function of the TexSearch HELP Office, how we have been able to restructure our Information Desk Staffing by having a full-time TexSearch Assistant available, and how this person handles client calls, instruction, and telecommunications support. This presentation also addresses statistics demonstrating HELP Office activity, identification of types of TexSearch-related questions still handled at the Information Desk, depth of client knowledge, and plans for the future.
READING LEVELS OF NURSING / ALLIED HEALTH / MEDICAL JOURNALS

Margaret Peteguin, Riverside Campus, Austin Community College, P.O. Box 140647, Austin, Texas 78714 (512)389-4903

The health sciences literature is a dynamic body of literature which keeps the profession alive and the professional competent and current. Being able to read this body of literature is incumbent to the success of the professional and the health sciences student.

Educational assessment and poor student performance in beginning courses have identified a growing number of students committed to becoming health professionals but not able to perform at the level of competency necessary to complete required coursework. Knowing the reading level of selected health sciences journal titles would be helpful to faculty who design and assign curricula, counselors, faculty, and tutors who work with remedializing students, and librarians who select and maintain journal collections.

A review of the literature indicated that there are no easily available lists of the reading levels of health sciences journals. The Learning Resource Center staff of the Riverside Campus of Austin Community College participated in a broader-based pilot study of periodical reading levels by evaluating 25 health sciences titles. Both automated methods and a manual analysis were utilized to determine the reading levels. The paper discusses the methods used and the results of the analyses.

END-USER TRAINING FOR NURSING STUDENTS: EVALUATION AND PLANNING

Margaret Ellene Moore, Head, Information Management Education Services, Health Sciences Library, University of North Carolina at Chapel Hill.

Health Sciences Library faculty initiated end-user training for junior nursing students in Fall 1990. Eleven clinical groups with 5-8 students per group (n=72) participated in 45-minute introductory workshops on searching three SilverPlatter databases—MEDLINE, CINAHL, and HealthPLAN. Nursing students learned sources of help, basic search strategy (use of Boolean and thesaurus), system commands, and database differences.

Immediately following the session, participants rated effectiveness of presentations and handouts. They were also tested on their knowledge of basic searching concepts. 63% reported no previous computer search experience. All (100%) students and clinical faculty agreed that future students should learn to search these databases. As expected, a follow-up survey in December and January showed that students did not retain all they had learned. Although most were required to find clinical literature, fewer than expected (approximately 1/3) used the SilverPlatter databases. The survey revealed the need for further instruction on using the databases and other library resources. Data was collected on purpose, topics, and usefulness of searches, assistance, and use of system features such as help screens and the online thesaurus. Concurrently, we are studying general information needs of nursing students and faculty. Planning and implications for further research are discussed.

Margaret Moore, Health Sciences Library, CB# 7585, UNC-CH, Chapel Hill, NC 27599-7585

A FIRST OFFERING IN NURSING INFORMATICS

Leslie C. Schick, M.S.L.S., Director, Nursing Library, University of Cincinnati, 3110 Vine St., Cincinnati, OH 45221-0036.

"Information Research Strategies and Management in Nursing" is an elective course offered to University of Cincinnati College of Nursing and Health graduate students for three graduate credits. The course was developed and is taught by librarians at the College.

This course provides students preparing for the research process with the technology, skills, and decision-making strategies necessary for independent information retrieval and management. The course offers hands-on experience in applying the principles of nursing informatics, searching nursing and related databases, examining knowledge databases, and developing personal information systems.

Students begin by identifying a research topic related to either their thesis/dissertation topic or to a patient care issue. Once topics are selected, various tools including print indexes, CD-ROM, and online databases are utilized to identify relevant citations for their topics. Throughout the various assignments, students create personal information files of references pertinent to their research topics.

Course evaluations have reflected the positive reactions of students. The course is currently being evaluated as a potential required course for graduate students.
ACCESS TO AUTOMATED ACADEMIC MEDICAL CENTER LIBRARY FROM NURSING STATIONS: A COOPERATIVE VENTURE. Jacqueline Picciano, Access Librarian, Cornell Medical Library, New York, NY.

The Patient Education/Family Health Committee of New York Hospital's Nursing Department must approve pamphlets used in educating patients. The need for patient education information is critical. Economic, legal and regulatory requirements force nurses to update teaching procedures and materials. Responding to these pressures, Cornell Medical Library decided to formalize its Patient Education File, fully cataloging approved pamphlets.

Physical access to libraries has always been a problem for nurses, interns and residents; therefore, remote access to the on-line catalog was investigated. A LAN was functioning; nurses could access the hospital's patient information system by computers at nursing stations. Cornell Medical Library was automated; therefore, a connection was established. Computers at nursing stations were connected to the Library's computer system (LIS).

The above does not circulate; copies must be physically available if the quality of patient teaching is questioned. A simple classification system makes filing and retrieving easy for the Circulation Staff. Call numbers may be written into nursing records, enabling the Medical Records Department to identify pamphlets without complete citations. Subject access is available on-line, and each record includes name and phone number of the Nursing Department which approved the pamphlets.

Librarians provided 15-minute instruction to nurses at each station, describing patient education files and policies, and introducing nurses to the public catalog and miniMEDLINE. Participants received in-service credits; this highly motivated attendance. The success which was made primarily to provide access to the Patient Education File provided access to all information in the public catalogs, including holdings, circulation status, and miniMEDLINE to all personnel at nursing stations, not just nurses. In-service sessions provided first exposure to miniMEDLINE for many nurses, which especially interested those taking CE and advanced educational courses.

Written directions were left at each station, where residents and interns latched on to computer access in their immediate locations, and were distributed to medical students by Educational Services librarians during courses on use of the Library and its resources.

A HOSPITAL LIBRARY'S INVOLVEMENT IN RESEARCH PROJECTS OF PRACTICING NURSES. Ellen Proctor, Health Sciences Librarian, Health Sciences Library, VA Medical Center, Dayton, Ohio 45428.

While the literature supports the academic library's involvement in bibliographic instruction for nursing students' involvement in research, little exists on the role of the hospital library in research done by practicing nurses. The way in which the Dayton (OH) VA Medical Center Library has become significantly involved in the research of its nurses is explained. The hospital's Nursing Research Committee sponsored a six-month series entitled "Strengthening Research Skills in Nursing." The series was designed for a limited number of beginning researchers and took place over a six-month period. Participants identified problems and then conducted a literature review. They each received hospital approval of their projects and then went on to collect and analyze data. Ultimately, reports were presented at the hospital-sponsored annual research seminar. The Health Sciences Librarian was a member of the program faculty, and contributed to the development of the workshop. She also provided documentation for a reference manual and taught part of the section on the literature review process. Additionally, each researcher scheduled appointments with her for individualized help. A very positive outcome was realized for all involved including increased and more efficient utilization of the library by nurses. The seminar led the library to further avenues of service including electronic mail access, special duty orientations, and a monthly column in the nurses' newsletter. Ellen Proctor, Health Sciences Library, VA Medical Ctr., 4100 W. Third St., Dayton 45428.

REACHING NURSES WITH THE LITERATURE: A PILOT STUDY AND ITS IMPLICATIONS. Christine M. Things, IAIMS Clinical Information Specialist and Vicki J. Killian, Information Services Librarian, Medical Center Information and Communications, University of Cincinnati, Cincinnati, Ohio PUNCHLINE: To examine the ease of accessibility and usefulness of literature resources in clinical nursing practice. The pilot study introduced nurses to the Integrated Academic Information Management Systems (IAIMS) Clinician's Workstations, located in the Hospital's medicine wards, as an integrated approach to literature resources, online search requests and document delivery.

METHODS: An instructional intervention consisting of introductions to the Workstation and to the principles of online searching, was conducted during nursing unit, clinical nurse specialist and staff development in-services. The nurses received pocket-sized instructions, a 'help manual' and telephone access and support. Pre- and post-tests were administered to the study participants and interviews were conducted.

CONCLUSIONS: Questionnaire results revealed that the respondents who considered access to nursing and medical journals from the hospital floor to be very important for patient care increased 21% during the pilot, however a number of other factors such as perceived lack of time and location of the workstations remain as obstacles. This study provides base-line data for the development and implementation of new approaches to online instruction for nurses, location and hours of availability of resources, insight into the value of IAIMS for nurses and insight into the planning effort needed to extend these types of services.

MIDWIVES INFORMATION AND RESOURCE SERVICE (MIDIRS): BORN TO DELIVER INFORMATION TO MIDWIVES. Sharon S. Chadwick, Science Librarian, The Library, Humboldt State University, Arcata, CA 95521.

MIDIRS was developed by midwives for midwives in 1984. MIDIRS is affiliated with the Institute of Child Health at the University of Bristol, England. Primarily an indexing/abstracting service. MIDIRS staff scan over 300 scholarly journals, consumer magazines and newspapers for information relevant to midwifery. Selected items are abstracted. Other critically evaluated or reprinted in information packs, the major product of MIDIRS. Items are also entered into the MIDIRS database, a unique database devoted to midwifery which includes more information than is published in the information packs. MIDIRS staff conducts fee-based online searches utilizing the MIDIRS database. MEDLINE on CD-ROM and DIALOG for midwives and midwifery students all over the world. The author participated in the MIDIRS volunteer librarian placement program in fall 1989 where she worked on all aspects of producing and marketing the database and information packs. Her experiences and MIDIRS services will be described. Midwifery is gaining acceptance in the United States as a viable alternative in childbirth. Therefore, nursing and allied health librarians should be aware of MIDIRS so that they can meet the information needs of this increasing segment of the health care field.

As the Internet expands into a high capacity National Research and Education Network, the participants will find their traditional roles overlapping, if not converging. Publishing, the making public of information, will be an activity open to more libraries, organizations, and individuals. Maintaining file servers on this network will be similar to maintaining a library open to a narrow or wide group of users. This presentation will examine some of these changes, as well as the bottlenecks that could slow down these developments: copyright, user resistance, regulations, and cost.

AN OVERVIEW OF COLLECTION ASSESSMENT TECHNIQUES. Daniel T. Richards, Collection Development Officer, National Library of Medicine, Bethesda, MD.

Collection assessment is generally defined as the process of measuring or determining the degree to which a library actually acquired the books, journals, and other materials it intended to acquire. This presentation focuses on collection assessment methods which can be employed in health sciences libraries, but also includes information on reasons for collection assessment, planning for collection assessment, and the conduct of collection assessment efforts at NLM.

Daniel T. Richards, Collection Development Officer, Mail Stop 13, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
EVALUATION OF A JOURNAL COLLECTION BY COST/BENEFIT ANALYSIS

Esther Carrigan, Manager of Technical Services
Naomi Fackler, Acquisitions and Collection Development Coordinator
Medical Sciences Library; Texas A&M Univ.; College Station, TX.

The purpose of this project was to determine whether application of a weighted formula to calculate a cost/benefit ratio for each journal title in the collection of the Medical Sciences Library, Texas A&M University would produce a list of titles that were possible candidates for cancellation. A cost/benefit ratio (CB) was derived for each title. The actual subscription cost (SC) was divided by the total points of relative worth earned by a title. Relative worth (RW) was a weighted formula calculated by adding relevance factors (R), usage factors (U), and external availability factors (A).

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CB = \frac{SC}{RW} \\
RW = R + U + A
\]

The result of this project was a list of journal titles ranked by cost/benefit ratio to reflect their value to the library. This technique could be used for cancellation of titles, as well as to evaluate the usefulness of a title to the library on an ongoing basis.

INTEGRATED LIBRARY SYSTEM DECISION AIDS FOR COLLECTION DEVELOPMENT. Loreta H. Stucki, Associate Director for Technical Services and Networking and Elizabeth A. Kelly, Associate Director for Access Services and Information Systems, Washington University School of Medicine Library and Biomedical Communications Center, St. Louis, Missouri.

In 1984, when rising journal costs and static budgets increased attention was being paid to managing serial collections. A series of reports generated by an integrated library system, was designed to support collection development decisions. These reports incorporate three years experience in identifying applicable cost and usage statistics. This effort brought to our attention certain use and information data that were not being collected and led to changes in Library operations. It also identified reporting formats that facilitate the use of the collected information.

The reports identify titles to be considered for cancellation based on low usage and show the costs of each. They also provide information (e.g., where the title is indexed, where located) useful in evaluating the low usage items. Information is indexed by usage, subject category, and title, in order to facilitate different aspects of the decision making process. We describe these decision aids which have reduced personnel time required for data collection and analysis, and improved the quality of the collection management process.

Loretta H. Stucki, Associate Director for Technical Services & Networking, Washington University School of Medicine Library and Biomedical Communications Center, 669 South Euclid Avenue, St. Louis, Mo. 63110

BIOMEDICAL JOURNAL TITLE CHANGES: REASONS, TRENDS AND IMPACT

Van B. Afer, Head, Technical Services, University of Miami School of Medicine, P.O. Box 016950, 1601 N.W. 10th Avenue, Miami, FL 33136;
Paul Wynn, Acquisitions Librarian, New York University School of Medicine, New York, NY.

The study of why biomedical journals change title is motivated by the desire to sort out types of title changes and to determine which are beneficial and which are not needed or may be detrimental. The study consists of three parts: a survey to determine effects on libraries, an analysis of changes from two different years, and the creation of a set of standardized practices for implementation.

The survey was sent to all academic health sciences libraries in the United States and Canada. The majority of respondents said that title changes cause workflow problems, and preferred notification with the first issue of the new title. Actual title changes were reviewed for 1985 and 1989. The SERLINE database of NLM was selected to identify title changes within these two years. Examples of title changes are discussed and reasons reviewed.

The authors' goal is the creation of standards for title changes. First, they recommend a format to determine when a title change is needed. Second, when a title change is necessary, it should occur at the beginning of a year and/or volume. Finally, a set of practices for notification will be presented to publishers.

VALIDATION OF SELECTIVITY: THE APPROVAL PLAN IN THE SMALLER HEALTH SCIENCES LIBRARY. Kathryn Hambell Carpenter, Bibliographer for the Health Sciences and Associate Professor, University of Illinois at Chicago, Chicago, Illinois

Approval plans have advantages that even the smaller health sciences library with limited discretionary funds will enjoy. Implementing an approval plan also presents risks to the library, such as a decrease in selectivity and an increase in costs. To design an approval profile that emphasizes the benefits and minimizes the hazards of these plans, the selector must have an accurate picture of the materials that the plan will gather according to its subject, publisher, and format parameters. Interest in adopting approval plans for the remote sites of the Library of the Health Sciences in Peoria, Rockford, and Urbana prompted a study comparing the effectiveness of proposed profiles to the results obtained with individual selection decisions. To conduct the study, the library's vendor ran the new profiles against the previous year's database; these titles were then searched against the library's holdings. The results obtained demonstrated a high percentage of matches, providing evidence that approval plans could obtain the same mix of materials that had previously been selected individually.

Address: University Library, M/C 234, University of Illinois at Chicago, Box 8198, Chicago, IL 60680
ADVANCES IN EDUCATION FOR HEALTH SCIENCES LIBRARIANSHIP: MEDICAL INFORMATICS

Robert Wedgeworth, Dean, School of Library Service, Columbia University in the City of New York.

The recent introduction to the School of Library Service curriculum of a short series of courses taught by Medical Informatics Faculty of the CU School of Medicine emphasizes an important area for the advancement of health sciences librarianship. This paper responds to questions regarding the nature of these courses, the characteristics of the students who selected them and how they can be integrated into the health sciences librarianship specialty. It also suggests exciting prospects for programs educating health sciences librarians to ensure the effective participation of their graduates in the future development of medical information management, especially in the context of the IAIMS projects.

Robert Wedgeworth, Dean, School of Library Service, Columbia University, 516 Butler Library, New York, NY 10027

WEED IT AND REAP: THE DE-SELECTION PROCESS IN COLLECTION DEVELOPMENT.

Mark E. Funk, Head, Collection Development, Medical Library, Cornell University Medical College, New York, NY, 10021-4896.

Weeding, or de-selection of library material, has been a neglected task in collection development, since it is both unglamorous and vastly under-appreciated. Yet weeding is vital for the continued health of a collection, and not only for space reasons. Weeding has been shown to increase the circulation of library materials, and also contributes to the speed and accuracy of retrieval. Obstacles to weeding include a present emphasis on reporting collection size; a misplaced belief in the sacredness of library collections; as well as work pressures faced by Technical Services departments. This presentation will focus on the why's of weeding; goals for weeding; creating weeding criteria; and the process of weeding. Both philosophical and practical aspects of weeding will be discussed. Advantages and disadvantages of subjective and objective weeding methods will be compared. Examples of weeding methods using data from automated circulation systems will be shown.

SERLINE = ACCESS TO SERIAL DATA FROM THE NATIONAL LIBRARY OF MEDICINE

Dianne McCutcheon, Assistant Head, Serial Records Section, National Library of Medicine

The National Library of Medicine makes data about its serial collection available in the online MEDLARS database, SERLINE. SERLINE is a database of over 75,000 records containing bibliographic, indexing and preservation data for titles owned by NLM as well as location data for major U.S. medical libraries.

This presentation will provide an in-depth description of the data available in SERLINE, various uses of the data and the relationship of SERLINE to CATLINE, NLM's authoritative cataloging file.
JURIED POSTER SESSION I

ABSTRACTS
INCREASING AWARENESS ABOUT COMPUTERIZED DATABASES AMONG RURAL WV HEALTH-CARE PROVIDERS  

Linda Jacknowitz, Project Director, West Virginia CONSULT, West Virginia University Health Sciences Center, Morgantown, WV.

In an effort to heighten consciousness about GRATEFUL MED and other computerized databases among West Virginia’s rural health-care providers, 36 demonstrations of the NLM software were held at 33 sites between June 1989 and August 1990. The presentations, part of the WV Online Demonstration Study, a project of WV CONSULT, were conducted by a cadre of geographically dispersed librarians and library managers. Of the more than 400 health professionals who attended these sessions, 62% were physicians or medical students, the study’s primary target group. A quasi-experimental pretest/posttest design was used. Two types of research questions were examined: Whether changes from the pretest to posttest were statistically significant; and whether there were significant associations between variables within either survey. From survey results project evaluators concluded that the demonstrations had had some impact on behaviors and attitudes. GRATEFUL MED usage increased significantly after the demonstrations, as did the proportion of physicians who reported knowing how to access computerized databases. In addition a majority of attendees reported that the demonstrations had made them more aware of computerized database capabilities.

Linda Jacknowitz, Project Director, WV CONSULT, WVU Health Sciences Center, Morgantown, WV 26506

WESTERN MARYLAND OUTREACH PILOT PROJECT: SERVICES TO UNAFFILIATED/UNSERVED HEALTH PROFESSIONALS  

Kathleen Lese, Learning Resource Services Coordinator, Western Maryland Area Health Education Center, Cumberland, MD

The Western Maryland Outreach Pilot Project addresses the need to provide access to health information services to unaffiliated/underserved health professionals in a rural area. The project goal is to identify unaffiliated/underserved health professionals, to inform them of available information resources, and to provide the means to acquire needed information easily and economically. The project, funded by the National Library of Medicine through the Region 2 Southeastern/Atlantic Regional Medical Library Services, targets a tri-state area of northern Appalachia which includes western Maryland, southcentral Pennsylvania, and West Virginia. To identify unaffiliated/underserved health professionals, the project team developed a network to collect lists of organizations and association members for a database directory. The network helped to identify local resources and services, to inform health professionals of available resources, and to provide services to unaffiliated health professionals, educators, and students. "Information Awareness Presentations" and GRATEFUL MED demonstrations were offered to create an awareness of local health information resources and computerized technology. The project revealed a need to update current health information services, to support development of services in areas where little or none exist, and to gain cooperation from public, academic, and health science libraries.

Kathleen Lese, Learning Resource Services Coordinator, Western Maryland Area Health Education Center, 11 Columbia Street, Cumberland, MD 21502

The TRANSPORTABLE ELECTRONIC LIBRARY ENHANCEMENT - TELE PROJECT  

Eve M. Ruff, Outreach Services Librarian and Neil Rambo, Associate Director, Pacific Northwest Regional Health Sciences Library Service (PNRHLS), Seattle, WA.

Two years ago, NLM funded a demonstration project at PNRHLS to provide consultation and training services in gaining access to health information in underserved or remote areas throughout Alaska, Idaho, Montana, Oregon, and Washington. The project has been extended several times and will be continued, not only in the Pacific Northwest, but throughout the country as part of all the regional medical library services.

The TELE Project is based on the idea that health care professionals, regardless of their location, need to have access to relevant information at the time and place it is needed in order to deliver quality health care. Through the training and follow-up services of the TELE Project, health professionals throughout the Pacific Northwest have been shown that distance need not limit access; that, with the use of electronic information systems, telecommunication networks, and sophisticated, easy to use software such as NLM's GRATEFUL MED, many of the barriers presented by long distances and few local resources can be eliminated.

The TELE Project has touched individuals and has directly affected the way some health professionals provide care. Many who have been served by the project comment that their knowledge of and ability to search the current clinical literature has enhanced their practice of medicine from remote and rural communities. Its effect can go beyond access to library services and information; this kind of program can have a positive effect on the recruitment and retention of health professionals in poorly served parts of the country, and, therefore, on the quality of health care in those areas.

Eve M. Ruff, PNRHLS, University of Washington Libraries, SB-55, Seattle, WA 98195

AN INTEGRATED WORKSTATION  

Chester J. Pleatske, Director, Learning Resource Center, Uniformed Services University of the Health Sciences, Bethesda, MD.

The multimedia Macintosh is featured as the integrated workstation. From this workstation, you will be able to access the public catalog, CD-ROMs, bulletin board, University Computing Center, use various educational programs such as HyperPharm, Epi-Tutor. You will also be able to take a video tour of the Learning Resource Center which features animation, music, speech, graphics, and video using the Macromind Director Program.

Chester J. Pleatske, Director, Learning Resource Center, Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Bethesda, MD 20814-4799
IMPROVED SEARCH PROCESSING PROCEDURES USING AN MIS
Barbara McNamee, Director, Information Services, Magdlin Varman, Asst.
Director, Online Services. Wes Browning, Online Services Librarian, Houston Academy of Medicine-Texas Medical Center Library, Houston, TX.
In December, 1988, work was begun to develop an MIS (Management Information System) to automate as well as streamline some client service procedures and to support decision making. A Search Request Module was designed to support the Information Services Department. This poster will demonstrate the impact the module has had on search processing from the point of performing the search interview through release and billing of the search. A flow chart will highlight some of the traditional manual system's 50+ separate steps and decision points. By way of comparison, a second flow chart will highlight the same procedure as handled by the Search Module. Included in the poster will be forms generated by the Search Module, professional and clerical input points and time expenditures, examples of client request trends that can be analyzed using the system and statistical reports which are possible to produce from data entered in the Search Module.

MULTIPURPOSE MICROCOMPUTER NETWORK: ORGANIZATION AND MANAGEMENT
Merrill K. Schindler, Assistant Director for Systems, Jean Sullivan, Head of Information Services, and Martin E. Eisenbaugh, PC Coordinator, Mount Sinai School of Medicine of the City University of New York, New York, NY.
All Library microcomputing activities are centralized through a single, library-wide network. The system is easily managed and maintained and provides staff and patrons with simple, efficient access to a wide variety of databases, programs and functions.
All PCs use 3COM's 3+Share network operating system, with Optinet CD ROM network software running on the school-wide Ethernet network. Workstations can access CD ROM databases, applications software, medical education materials and testing programs. They can also access statistical programs on the institutional VAX computer or link to a mainframe at another university. Access to individual modems or online services is also available.
The system uses several "levels" of menus: staff menus access all functions of the network, while special PCs access only CD ROMS, news and information. Media Resource Center PCs emphasize applications software, statistical programs and medical education software. Access to actual data on the network is password-protected for security.
Since the system is controlled by a single network and menuing system, there is continuity in the "look and feel" of the system and trouble-shooting can be done effectively. The menu system collects statistics on all workstations and collates it by user and function, simplifying the data gathering process.
Merrill K. Schindler, Levy Library, Box 1102, Mount Sinai Medical Center, 1 Gustave Levy Place, NY, NY 10029

MICROCOMPUTER LABS AND HUMAN NETWORKS: VITAL CONNECTIONS
Gretchen Naisawald
Assistant Director for Public Services
The Claude Moore Health Sciences Library
University of Virginia Health Sciences Center
Charlottesville, VA 22908

The introduction of microcomputing into the health sciences curriculum has increased educational opportunities for faculty and students as well as opened new service programs for health sciences libraries through the management of microcomputer labs.

To ensure good communication between faculty, students and the Library, the School of Medicine appointed a committee at the UVa Health Sciences Center to provide a forum for information exchange, identification of priorities and group problem-solving in the area of educational computing. The committee is composed of the Associate Dean for Educational Programs, three School of Medicine faculty members (including an instructional design specialist) and two representatives from the Library.

The results of this formal collaboration have been beneficial to all concerned. These benefits include coordination of equipment and technical needs, the opportunity for early input regarding program scheduling, and most importantly, a unified voice when requesting support for future program directions and needs. This unified position was instrumental in obtaining over $200,000 from the state of Virginia to purchase equipment for lab expansion.

THE FORTUNATE 500 - UNLIMITED ACCESS TO MEDLARS PILOT PROJECT
Janet G. Schnall, Information Services Librarian, and Terry Ann Jankowski, Information Retrieval & Management Librarian, Health Sciences Library & Information Center, University of Washington, Seattle, WA.

In the fall of 1989 the University of Washington (UW) Health Sciences Library and Information Center (HSILC) was selected by NLM as the first university to offer its faculty, staff and students unlimited access to all NLM's databases for a flat fee of $100 per individual for one year. The purpose of the Unlimited Access to MEDLARS Pilot Project was to gather information about usage levels and search patterns to help NLM determine the feasibility of an online flat rate and an appropriate charge for unlimited annual access. NLM allocated 500 codes which HSILC sold for personal use to UW faculty, staff and students on a first come, first served basis. HSILC also served as a broker for Grateful Med.

The Pilot Project involved: marketing; sales of codes and Grateful Med; seminars such as Introduction to Grateful Med, Advanced Grateful Med, and the Basics of Searching MEDLINE; a weekly, drop-in Online Lab; an Unlimited Access to MEDLARS Users' Group; and individual consultations on online searching techniques and hardware problems.

A brief questionnaire was distributed in late August 1990 to determine how valuable the flat rate access to NLM's databases was to the participants. Survey results and HSILC's experiences managing the Pilot Project are depicted here.

Janet G. Schnall, Information Services Librarian, Health Sciences Library and Information Center, University of Washington SB-55, Seattle, Washington 98195
TO EACH HIS OWN: THE LAPTOP ALTERNATIVE FOR REFERENCE SERVICES

Tracy Powell, Reference Librarian and Susan C. Speer, Audiovisuals and Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC.

Although the Health Sciences Library occupies a relatively new building, office area for the Reference Department had become crowded. The main office, long and narrow, was shared by four librarians and a technician. The Head of Reference had an office. An additional office contained two IBM PCs which were shared by the librarians.

This arrangement offered little privacy or quiet work space. The IBM PCs were in constant demand for searching and for an increasing number of office applications. The severe lack of space and the increasing necessity for computer literacy and accessibility led to the purchase of a laptop computer for each reference librarian.

The use of laptops as desktop workstations made the search office available for office space, increased the efficiency of online search services and increased the overall efficiency, computer literacy, and professional status of the librarians. The laptops have become indispensable tools accompanying the librarians to the Reference desk and beyond. We find that the laptops serve an additional function by increasing awareness of the library and its commitment to technology.

Tracy Powell, Health Sciences Library, East Carolina University, Greenville, NC 27858-4354.

LIBRARIANS AND END-USER SERVICES: A LONGITUDINAL STUDY.

Joanne G. Marshall, Faculty of Library and Information Science, University of Toronto.

This study examines the changing roles, attitudes and responsibilities of librarians based on membership surveys of the Canadian Health Libraries Association (CHLA) in 1985 (n=353) and 1989 (n=346)(response rate=85%). Increases in end-user services were as follows: informal consultation from 45% to 59%; handouts for end users from 24% to 32%; seminars for end users from 9% to 26%; access to an online terminal in the library from 8% to 13%; and access to CD-ROM from 0% to 20%. Substantial shifts in librarians' attitudes toward end users were evident. In 1989, 16% more of the librarians agreed that it was advantageous from the library's point of view for end users to do their own searches. Respondents in 1989 were less likely to see end-user searching as a fad that would quickly disappear and more likely to see end-user services as an extension of mediated search service. In 1989, 12% more of the respondents agreed that libraries had a responsibility to train and support end users. While 25% of the librarians saw end-user searching as a threat to the status of the intermediary in 1985, only 15% had this concern in 1989. In 1985, 50% of the librarians thought that end-user searching would increase staff workload; in 1989 this increased to 59%. Experience with end users has made librarians more positive about the provision of end-user services, but more aware of the time and effort needed to provide them.

JOANNE G. MARSHALL, Faculty of Library and Information Science, University of Toronto, 140 St. George Street, Toronto, Ontario, Canada M5S 1A1.

HYPERTEXT-BASED TUTORIAL FOR TEACHING END-USER SEARCHING

Y. Kathy Kwan, Assistant Medical Librarian, and Virginia L. Cook, Director, Hollis Health Sciences Library, Winthrop-University Hospital, Mineola, NY.

A computerized tutorial for minIMEDLINE1 authored in Hypercard2 is used in a hospital library. The purposes of the tutorial are, first, to provide instructional help in using minIMEDLINE regardless of the availability of library staff; second, to assess the acceptability of a computerized reference tool among patrons. The tutorial shows the users how to formulate search strategy, implement the search and obtain results from the system. The tutorial is placed near the minIMEDLINE terminals in the library and patrons are encouraged to use it before searching. An opinion survey from a sample of 10 randomly selected patrons and observation of patrons' response were performed. Results have been used as a guide to modify the design of the tutorial and as a basis to build other aspects of reference work in the future.

1 minIMEDLINE is a trademark of Georgetown University Medical Center
2 Hypercard is a trademark of Apple Computer, Inc.
SELECTING INFORMATION MANAGEMENT SOFTWARE FOR HEALTH SCIENCES LIBRARIES
Inhee Kim Son, Consultation Services Coordinator, Jonquil D. Feldman, Consultation Services Coordinator, and Anne Wood Humphries, Head Reference Librarian, The Claude Moore Health Sciences Library, Box 234, University of Virginia Health Sciences Center, Charlottesville, Va 22908.

The Consultation Services Coordinators at the Claude Moore Health Sciences Library (CMHSL) of the University of Virginia selected six bibliographic information management software packages available on the market and compared them using specific criteria important for satisfying the requirements of health sciences professionals. The packages investigated were Bookends, Notebook II, Pro-Cite, Reference Manager, AskSam and Library Master. Using the selection criteria, specific features of each program were investigated for their application to health sciences professionals and a summary report was generated.

The analysis showed that no one software package is superior to all others in every aspect important to satisfy requirements of health sciences library users. Since new and upgraded information management software products come out each year, it is necessary to perform a similar evaluation periodically to provide the user with the most up-to-date information on current software versions. Library professionals also have a role in providing suggestions to software vendors regarding desirable features and user requirements for health sciences library applications.

PLANNING FOR THE FUTURE: DEVELOPMENT AND STRATEGY
FOR THE FRIENDS OF LIS (FLIS)
Virginia Bowden, Library Director; Charles Sargent, Project Director; Susan Beck, Cataloger; and Pat Hawthorne, Administrative Projects Librarian;
The University of Texas Health Science Center, San Antonio, Texas.

The Friends of LIS (FLIS) is the users' group of the integrated online library system which was developed by the Dahlgren Memorial Library of the George Town University Medical Center. FLIS members include the 25 medical libraries using LIS. FLIS formally organized in 1986 to:
1. represent joint interests of users to LIS management;
2. discuss options for equitable financing of LIS developments;
3. explore future directions and planning for the growth of LIS;
4. assure the continued quality of the LIS modules; and
5. insure the continuous dialogue between and among LIS users and LIS management.

In 1990, The University of Texas Health Science Center at San Antonio (UTHSCSA) Library received a National Library of Medicine grant to provide a model of system planning and development for automated library systems. A major aspect of the grant is the development of a strategic plan which builds upon the mutual experiences and cooperation of FLIS libraries to more efficiently utilize scarce resources.

THE DEVELOPMENT OF A FACULTY PUBLICATIONS DATABASE AT THE UNIVERSITY OF CINCINNATI MEDICAL CENTER
Doris Haag, Library Systems Research and Development Librarian; Stephens Harmony, Manager of Information Services; Birzen Kaya, MGIC Network Administrator; and Office of Development Librarian; Terry Wells, Assistant MGIC Network Administrator, Medical Center Information and Communications, University of Cincinnati, Cincinnati, Ohio 45267.

There is a growing need by health care administrators, faculty and staff to identify the publication and research efforts within their institutions and to correlate these contributions to their organizational missions and research agendas. In response to this need, the Medical Center Information and Communications Department of the University of Cincinnati has developed a prototype faculty publications database. In addition to this database, all citations to all of the publications produced by the University of Cincinnati Medical Center (UCMC) as well as index terms identifying "focus areas". This database has been designed to provide information and publications efforts into one or more of several institutionally defined areas of concentration and excellence (e.g. cancer research and care). The development process included a needs assessment; investigation, comparison and utilization of several data sources; software and hardware selection; programming efforts and system evaluation. The result is a Faculty Publications Database, available medical center-wide, based upon data from Sci-Search, augmented by information from departmental records, and utilizing BRS-Search software and Digital Equipment Corporation (DEC) hardware. Doris Haag, Library Systems Research & Development, Health Sciences Library, Univ. of Cincinnati, 231 Bethesda Ave., Cincinnati, OH 45267.

FACULTY PUBLICATIONS: PROBLEMS AND INSTITUTIONAL UTILITY
Bonnie N. Seelig, Section Head, Reference, and George Gehrig, Senior Reference Librarian, Louisiana State University Medical Center Library, Shreveport, LA.

The Medical Library has assumed the responsibility of compilation and editorial supervision of a collective bibliography so that the volume and type of research conducted during the preceding year by the faculty is made available to the Medical Center community. Citations are collected from the following sources throughout the year: faculty submissions, Institute for Scientific Information, and the National Library of Medicine. All the faculty members are notified of approaching deadlines and guidelines for submission through members of the LSU Medical Center News, and the Library Bulletin. Once a first draft is produced, copies are sent to contributing faculty members for proofreading. Problems encountered and addressed include: ensuring that every faculty member who publishes is represented, confirming faculty status, and verifying the accuracy of citations. To make the process more efficient and the product more useful, a questionnaire has been distributed to publishing faculty members in the institution. This group has been queried as to preference regarding internal arrangement of the publication and the introduction of charts and graphs representing objective measurements of publication quality. Preferences will be analyzed with the objective of increasing the institutional utility of the publication.

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CREATING AND USING A FACULTY INTERESTS DATABASE WITH HUTPLUS - Martha Earl, Reference Librarian, and Leslie Adebomoyo, Special Projects Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

The librarians at the James H. Quillen College of Medicine Library created a database to select materials and notify faculty of new acquisitions by faculty subject interest. All 120 full-time College of Medicine faculty members received survey forms asking for the following data: name, department, telephone number, societal memberships, classes taught, clinical/research interests, journals received, and continuing education interests. Librarians added the information appropriate to the interests listed on the 85 completed forms, created a database on HUTPLUS, and entered data. Library staff routinely checked newly acquired book and audiovisual titles by querying related database subjects from the database. They sent notification cards to faculty members listed on the same database.

A follow-up survey of faculty who had received notification cards revealed appreciation for the service and an enhanced public image for the library.

Martha Earl, Reference Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Box 23, 2904, Johnson City, TN 37614

USING A DATABASE PROGRAM TO MANAGE THE ACQUISITION OF CANCELED STANDING ORDERS - Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

The James H. Quillen Medical Library experienced a significant decrease in the collection development budget. Librarians canceled all standing orders for reference books. They needed to devise a way to know which essential materials up-to-date on a rotating-year basis.

Librarians prioritized the titles, giving each one a number from one to five. Titles given a rating of one were recommended for purchase every year. Titles given a rating of two would be purchased every other year. Ratings of three, four, and five would be purchased on a rotating-year basis.

Technical Services staff then devised a system for tracking acquisitions. They used a database management program to set up records for each of the canceled titles. Every record contains eight searchable fields: call number, title, price, publication date of the latest edition owned, month ordered, frequency of purchase, notes, and the status of the title.

By using a combination of fields, librarians can determine which reference books should be purchased at any given time. The database promotes even apportionment of purchases throughout the year. If the cost of the titles scheduled for purchase during any month totals more than the budget allows, a list of titles is printed for the librarians to evaluate. Titles eliminated for that month are re-coded for later purchase. Use of the database has transformed difficult decision-making into a manageable process.

Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Box 23, 2904, Johnson City, TN 37614

AN AUDIOVISUAL COLLECTION DEVELOPMENT DATABASE - Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Johnson City, TN

All media librarians receive mountains of promotional materials frrom audiovisual and microcomputer software producers and distributors. Some pile it in boxes in a corner. Others file it away alphabetically by the producer/distributor’s name. For collection development purposes, librarians need subject access.

The Media Librarian at the James H. Quillen College of Medicine Library solved this problem by developing a computerized file using a database management program. The file currently contains records for over 600 companies that produce or distribute health sciences audiovisuals and educational software. Searchable fields include: name, address, city, state, zip code, phone number, toll-free phone number, language, material was received, available formats and health sciences subjects covered. Staff developed an in-house authority list which contains 122 broad MeSH headings.

This tool has been invaluable in identifying and locating materials for preview and possible purchase. The Media Librarian also uses it annually to request updated catalogs and to weed out producers that have gone out of business. The system is simple to use. Student workers input data an average of two hours per week to maintain the currency of the file.

Martha L. McLean, Technical Services Librarian, James H. Quillen College of Medicine Library, East Tennessee State University, Box 23, 2904, Johnson City, TN 37614-0002

MLSCA MEMBERSHIP DATABASE: DEVELOPMENT AND IMPLEMENTATION

Carlene Bogle, Life Sciences Reference Librarian, Cal Poly, Pomona, CA; Janis Brown, Associate Director, Educational Resources, Norris Medical Library, Los Angeles, CA; Alice Harrigan, Acquisitions/Serials Librarian, Norris Medical Library, Los Angeles, CA; Margaret Wineburgh-Freed, Head, Bibliographic Management Section, Norris Medical Library, Los Angeles, CA

The Medical Library Group of Southern California and Arizona is a chapter of MLA with over 350 members. After many years of maintaining a membership card file, MLSCA decided to convert to an automated system. The automatic committee and the Membership committee developed a system. The major steps included: (1) identifying needs, (2) establishing criteria, (3) developing the database, and (4) implementing the system. After considering commercial software available at that time, the committees decided to develop a customized system. The program development was fairly straightforward. However, the implementation phase was more complex than anticipated.

For the past three years, MLSCA has been using this system successfully for membership functions, such as printing renewal forms, reports, and mailing labels and producing the annual directory. It is a much improved system to the manual one, but there are many issues for other organizations to consider before deciding to develop their own system.

Carlene Bogle, Life Sciences Reference Librarian, California State Polytechnic University-Pomona, University Library, 3801 W. Temple Ave., Pomona, CA 91768
AETNA LIFE & CASUALTY'S MEDIS SYSTEM

Frances T. Bernstein, Administrator, and Deborah Beaurea, Clinical Medical Librarian, Aetna Life & Casualty Co., Medical Management Library, Hartford, CT

Health insurance carriers in the United States have an intense and ongoing interest in the new techniques, drugs, equipment and procedures used by health care professionals. Many of these new technologies are quite complex and expensive, and issues of safety, efficacy, indications and feasibility must be examined. These new technologies, which replace a nonstandard or atypical method of care, are most often the cause of questions raised by health insurance personnel.

Aetna Life & Casualty recognized the need to evaluate new technologies and then to assure consistent and efficient decision making of these coverage issues by claim personnel throughout the Company. Therefore, in late 1988, Aetna began development of MEDIS (Medical Information System), a Personal Computer (PC) on-line system to record the technology assessments made by Aetna health professionals.

MEDIS runs on an IBM compatible PC using a software program known as "Textbank." The program is managed in the Home Office in Middletown, CT, with 40 Field Offices throughout the United States. The system currently has 220 records with expectations to reach 300 by the end of 1991. Access is by free text searching. Each record has uniform fields including a) date of entry, b) abstract of the literature, c) reference list from which the abstract was derived, and d) recommendation of medical appropriateness. MEDIS is reviewed and updated monthly using diskettes sent to each FO site.

Frances T. Bernstein, Administrator, Aetna Life & Casualty Co., Medical Management Library, 151 Farmington Ave., MCA3, Hartford, CT 06106

WORKSAFE IOWA INFORMATION NETWORK (WIN): ELECTRONIC BULLETIN BOARDS IN THE HEALTH SCIENCES

Information Specialist, Institute of Agricultural Medicine and Occupational Health, University of Iowa, Oakdale Campus, Iowa City, IA

The Institute of Agricultural Medicine and Occupational Health at the University of Iowa initiated several grant-funded programs to provide occupational health and safety information and services to physicians, hospital staff, and farm families. The Institute's Information Resource Center (IRC) coordinates an electronic bulletin board, using the software The Bread Board System (TBBS), to connect program participants with one another.

Initially, WIN included nine hospitals that participated in the WORKSAFE IOWA Occupational Medicine Associates Network. The hospitals provide services to industry in their areas, and often require information on topics such as pesticide toxicity, OSHA standards, ergonomics, and carpal tunnel syndrome. By logging onto WIN, associates can request computer searches, articles and books from the IRC's unique collection; send messages to each other; and check the updated calendar of events and a monthly bibliography. The Resource Center's Information Specialist acts as WIN's system operator (SYSOP), and a systems analyst provides maintenance as needed. Almost 100 subscribers participate.

TBBS has the flexibility to provide additional bulletin boards to accommodate the growing number of Institute sponsored programs and centers. Passwords restrict users to certain bulletin boards. Using graphics, graphics, and sample bulletin board menus, this poster session illustrates the effectiveness of electronic bulletin boards in fostering communication among users.
CD-ROM ACCESS CONTROL USING DBASE III PLUS

Fred Van Dril. Computer Services Technician; Angella Lambrou, Computer Services Librarian; Health Sciences Library, McGill University, 3655 Drummond St., Montréal, Québec, Canada H3G 1Y6. (514) 398-4756.

Who is using what and for how long? That is the question all libraries want answered about CD-ROM. This set of programmes, written in dBase III Plus, provides password-controlled access to CD-ROMs or any other programmes on the computer. It is based on individual names and passwords, controlling on a user basis what programmes are accessible. The programme also compiles statistics by person and by CD-ROM. The statistics provide the hours and number of times that each CD-ROM is used. Using previously entered information about each user, the programme can also provide statistics by department or status.
A COMPARISON OF HEALTH AND LEGAL INFORMATION SERVICES IN PUBLIC LIBRARIES. Joanne G. Marshall, Faculty of Library & Information Science, University of Toronto; Patricia Dewdney, School of Library & Information Science, University of Western Ontario; and Muta Tiamiyu, School of Library & Information Science, University of Western Ontario.

While consumer movements have led to increased demand for health and legal information, public librarians often report difficulties in providing this information because of the specialized nature of the subjects and the need to avoid infringing on the domains of the medical and law. Data from two recent surveys of reference librarians providing health and legal information services in public libraries in Ontario, Canada were compared. Respondents to the health study (n=75) and the legal study (n=77) estimated that health and legal questions each accounted for about 8% of total reference requests. In both studies, librarians frequently experienced problems with the reference interview and with collection adequacy. Three significant differences were found: librarians providing legal information reported more difficulty in using the sources and tools; librarians providing legal information were also more unsure of whether they had provided the correct answer; and librarians providing health information reported a higher incidence of items missing from the collection. Differences in the nature of public library collections in these subject areas may explain some of these differences.

Joanne G. Marshall, Faculty of Library & Information Science, University of Toronto, 140 St George Street, Toronto, ON, Canada M5S 1A1.

ONLINE SOURCES FOR CONSUMER AND PATIENT HEALTH INFORMATION. Glenda Mendina, Reference Librarian, Health Science Library, University of Tennessee-Memphis, Memphis, Tennessee.

Requests from consumers or patients for medical and health information often create frustrations for the medical librarian and the requester because of the difficulty in locating appropriate material. The material in medical libraries is primarily intended for the medical professional and is usually not appropriate for the layperson. Sources written specifically for the layperson, if available, may be too general or may lack authority.

There are on-line databases available today that can assist in providing medical and health information for consumers, patients, or health professionals involved in patient education. The Health Periodicals Database, Combined Health Information Database, Consumer Drug Information Full Text, and Consumer Reports can assist medical librarians by identifying sources of free or inexpensive material, by indexing material available as many public or academic libraries, or by providing material to be used as an introduction to the professional medical literature. General information about each database is presented along with sample searches illustrating different uses.

Glenda Mendina, Reference Librarian, UT Memphis, 877 Madison Avenue, Memphis, TN 38163.

CHIP: A CONSUMER HEALTH INFORMATION PROJECT OF NORTHEAST MISSOURI. Lawrence W. Onsager, Library Director, Kirksville College of Osteopathic Medicine, Kirksville, MO 63501; Marilyn Prosser, Adair Co. Public Library, Kirksville; and Margaret J. Michael, Ph.D., Northeast Missouri Area Health Education Center.

On July 1, 1990, 25 public libraries in isolated, rural northeast Missouri received a $140,000 LSCA Title I grant from the Missouri State Library. The project goal was to provide consumer health information in 27 counties of northeast Missouri. Each library received a basic collection of medical reference texts and consumer health information materials. Four public libraries in the area serve as resource centers for their neighboring public libraries.

CHIP was developed cooperatively by the Adair County Public Library director, the Kirksville College of Osteopathic Medicine library director, and the Northeast Missouri Area Health Education Center (NEHO AHEC) director. The project is the first step in implementing Health Information Partners (HIP) of northeast Missouri. The purpose of HIP is to provide health information to both the health professionals and lay public of northeast Missouri.

HIP will be a network of public, academic, and medical libraries in the 27 counties that comprise the area of the NEHO AHEC. Because health information resources are almost nonexistent in this rural AHEC area, the decision was made to develop a multitype library network with public libraries as the primary information sites.
EMPOWERING PEOPLE TO MAKE HEALTH PROTECTIVE DECISIONS: The Options & Choices Experience. Karyn L. Pomerantz, M.S.L.

Options & Choices, Inc., N. Bethesda, Maryland.

In the era of consumer power, there are a myriad of information sources that often present conflicting & confusing data. This period of health cost containment, the consumer and also face pressures from HMO's, providers, insurance companies, or fee-for-service providers.

Teaching consumers to understand information & to make health protective decisions independent of provider or insurer bias is crucial. Options & Choices is a health education company that helps people make such decisions by providing information & emotional support. Medical librarians help select & digest information that allows people to make a risk/benefit analysis. Master's prepared nurses teach clients how to understand their conditions & options for diagnosis, treatment & coping. They give clients information that is unbiased & non-prescriptive; usable & understandable; & comparative.

Options & Choices has demonstrated improved health outcomes. After one year's experience with an Options & Choices maternity education program, VBAC rates increased & premature birth rates decreased.

Karyn L. Pomerantz, Information Service, Options & Choices, 11136 Cedarwood Dr, N. Bethesda, MD 20852.

PUBLIC MEDICAL LIBRARY IN A SHOPPING CENTER

Mary Beth Train, Librarian, The Health Library, Stanford Shopping Center, Palo Alto, CA.

The Health Library, sponsored by Stanford University Hospital and co-funded by Stanford Shopping Center and local medical care providers, is a special library open to the public. The library is an information center containing information on medical conditions and health in books, clippings, videos, and periodicals for the general public. Physicians, as well as hospital and public libraries are referring patrons in increasing numbers.

Through informal co-operative arrangements with Lane Medical Library at Stanford University Hospital and with Palo Alto City Library, books are exchanged and reviewed. The San Mateo County Library System donates its monthly book review deck, with ordering information for that library system. These arrangements are the result of marketing efforts by the library staff and its advisory board and content review committee.

Mary Beth Train, The Health Library, 248 Stanford Shopping Center, Palo Alto, CA 94394
STRATEGY FOR SURVIVAL: DIVERSIFYING THE SERVICES OF A SPECIALTY HOSPITAL LIBRARY

Barbara P. Caprini, Director of Educational Resources, Moss Rehabilitation Hospital, Philadelphia, PA 19141.

How does the library of a 142-bed specialty hospital ensure its future in these days of limited reimbursement? As the hospital has changed in response to market conditions and its own strategic plan, the library has also changed. It now targets its services to many specialized user groups within the institution, covering information needs in areas such as the health sciences, management and administration, planning, marketing, business information, research methods, patient education, and disabled consumer self-help. The library's merger into the Department of Educational Resources makes it better able to integrate its services into educational activities directed towards hospital programs. As funding from the hospital's general budget has contracted, the library has been able to negotiate support from other sources, such as research funds and key hospital committees and some retooling of staff skills have been crucial to this survival plan.

EFFECTS OF DOWNSIZING ON RESOURCE SHARING: THE MASSACHUSETTS RESPONSE

Anita B. Loscalzo, Deborah Almequist, Christine L. Bell, Sandra R. Clevesy, Lynne Silvers, Carol J. Foxman, and Florence S. Mercer, Massachusetts Health Sciences Library Network (MAHSLIN) Ad Hoc Committee on Downsizing.

MAHSLIN has been a resource sharing network with few or no fees charged and few restrictions for interlibrary loans to participants in the MAHSLIN Union List of Serials. Budget cuts and downsizing affect resource sharing patterns and the availability of reciprocal interlibrary loans. As services and entire libraries are eliminated, increased demands will be made upon the remaining libraries by underserved and unaffiliated patrons and institutions.

To guide its members, the MAHSLIN Guidelines for Provision of Services to Unaffiliated Patrons and "Suggested Fees for Services to Unaffiliated Patrons" were distributed in January, 1989. Libraries were encouraged to charge unaffiliated libraries and patrons for services in order to: protect the resources of their library; protect their primary patrons' access to information; and let their administrators, other institutions, and unaffiliated patrons know that a cost is incurred in the provision of services.

A survey of MAHSLIN members was undertaken to determine the degree to which downsizing has occurred and its effects on in-house services and resource sharing patterns. Anita B. Loscalzo, Cardiology Research, Brigham & Women's Hospital, Thorn 11, 75 Francis Street, Boston, MA 02115

JOURNAL SPONSORSHIP PROGRAM - A THREE YEAR PROJECT

Kathleen O. Rainey, Associate Librarian, University of California, Davis Medical Center Library, Sacramento, CA and Dorothy A. Thurmond, Medical Librarian, Gutman Library and Information Center, Sacramento-El Dorado Medical Society, Sacramento, CA.

The Gutman Library and Information Center of the Sacramento-El Dorado Medical Society began a journal sponsorship campaign in 1988. Because of increased costs for journals, additional funds were needed to avoid cancellations of some valued and needed titles. Letters were sent to 1500 physician members asking for donations to cover the yearly subscription and binding costs of their favorite journals. All donations were acknowledged in the Medical Society's magazine Sacramento Medicine and a poster was displayed in the library listing all donor names and sponsored titles. In addition, a shelf label showing the donor's name and title was placed on the shelf beneath the journal. Bookplates with the donors' names were placed in each bound volume.

The program is now in its third year. The number of sponsored journals and donations have increased as shown:

- 1988 received 34817.00 with 44 journals sponsored.
- 1989 received 26538.00 with 58 journals sponsored.
- 1990 received 39980.00 with 81 journals sponsored.

All sponsored journals were current library subscriptions. These sponsorships alleviated the burden of the rising costs of journal subscriptions and allowed for their continued purchase. In addition, the donors were able to take a tax deduction as a charitable donation. Kathleen O. Rainey, Associate Librarian, University of California, Davis Medical Center Library 4301 X St. Rm 1005 Sacramento, CA 95817

CONSORTIUM PROMOTION: IDEAS FOR PUBLICIZING YOUR LIBRARY GROUP

Ellen R. Cooper, Serials & Acquisitions Librarian, University of Tennessee Health Science Library, Memphis, TN.

Many librarians have developed activity plans for publicizing their library to potential users within their institution. These marketing techniques are useful for promoting single libraries to a targeted group of users, but it may also be desirable to promote a group of libraries to the general community. Cities or regions that have a library council or consortia are in a position to publicize and improve the image of libraries and librarians in their area. The promotion methods that are successful for individual libraries may not answer the needs for these groups. This poster describes three promotion ideas that have been successfully tried in Memphis, and may be adapted for use by other library groups: Librarian of the Year Award, Libraries for Literacy run, and public TV pledge drive participation.

Ellen R. Cooper, Serials & Acquisitions Librarian, University of Tennessee Health Science Library, 877 Madison Avenue, Memphis, TN 38163.
INCORRECT CITATIONS IN LIBRARY LITERATURE  Sue Benning, Circulation Librarian and Susan C. Speer, Audiovisuals and Informatics Librarian, Health Sciences Library, East Carolina University, Greenville, NC.

The problem of incorrect citations in journal articles has often been reported in medical and science literature. A search of library literature reveals that librarians frequently report their frustration in trying to help clients find these incomplete and incorrect references. However, the literature does not reveal a study investigating whether librarians, as authors, editors and publishers, are more accurate in citing their references than others.

We began a study to determine the accuracy of references in library literature. The last issue for 1989 of Bulletin of the Medical Library Association, Library Trends, and Library Resources and Technical Services were chosen. References and bibliographies for all articles were photocopied, cut apart, and searched for accuracy. A total of 1259 citations were included. Preliminary results indicate that librarians are more accurate. The final results will be compared with the findings in medical and science literature; editorial policies of the 3 titles included will be examined for possible causes for the better accuracy.

Susan C. Speer, Health Sciences Library, East Carolina University, Greenville, NC, 27858-4354.
Extra costs of security and animal research. This leads to less decision making, which will have consequences for the school's clientele. The consideration of the concept of cooperative loan decision making is essential. Actions by animal rights groups in the United States are beginning to affect the scope and pace of biomedical research. Biomedical publishing and health sciences libraries will inevitably bear some of the costs. The costs to research will include costs due to:

1. Legislation requiring increased supervision and regulatory procedures in laboratories. These include the cost of time lost to researchers who must file increased paperwork, and defend their research to the government and to the public.
2. Increased security at research laboratories.
3. Legislation forcing laboratories to purchase animals from commercial providers instead of animal shelters.
4. Increased security at research laboratories. This leads to less money available in the institution, and increased competition for funds.
5. Additional costs for security and animal research. This leads to increased difficulties for patrons attempting to access the library.
6. Possible damage to the facilities or materials of libraries which house animal research documents or audiovisual programs.
7. Possible damage to the credibility of libraries which unwittingly acquire distorted materials produced by animal rights activists.
8. Conflicts with the Library Bill of Rights when libraries restrict access to animal rights materials as a precautionary measure.

THE USE OF NEWSLETTERS FOR COMMUNICATING LIBRARY INFORMATION
Anne Carroll Bunting, Head, Technical Services and Frances Verbic, Cataloger, Health Sciences Library, Dept. of Health Informatics, University of Tennessee, Memphis, Memphis, TN.

As a result of budget restraints and administrative restructuring, the Health Sciences Library of the University of Tennessee, Memphis, ceased publication of its newsletter and began to contribute to a new departmental newsletter. Since this publication was to include only news, the library faculty had to choose the best way to communicate other information such as acquisitions, new databases and donor lists. To determine other libraries' methods of communication, the authors surveyed 116 academic health sciences libraries in all NLM regions. 83 libraries answered questions about their newsletters, piggybacking in other institutional newsletters, and acquisitions lists, as well as content, frequency, funding, distribution and media. Many included useful comments on other methods of communication.

Of these 83 libraries, 60% have separate library newsletters, and 60% include general library information such as new services, policy changes, and hours in other institutional publications. Acquisitions are still promoted through new book shelves and paper book lists. Some libraries feel the local online catalog suffices. Libraries may need to assess the cost/benefit of previous communication methods. The information received could help chart a new course for library communication.

THE BSLC HEALTHNET COLLECTION DEVELOPMENT DATABASE
John Barr, Technical Services Consultant, Health Sciences Libraries Consortium, University City Science Center, 3600 Market Street, Suite 550, Philadelphia, PA 19104-2646

The BSLC Collection Development Database provides a common real-time database of journal titles under consideration for purchase, weeding or cancellation by libraries within the Consortium. The Database is accessible through BSLC HealthNET, the Consortium's electronic information network that includes Members' online public access catalogs, as well as databases such as MEDLINE. Demonstrations of BSLC HealthNET are available at Island F in the exhibit area.

Library, University of Tennessee, Memphis, 350 Madison Ave., Room 250, Memphis, TN 38163 (901) 526-5635
SUBJECT ANALYSIS FOR COLLECTION ENHANCEMENT: THE FIELD OF BIOETHICS

Elizabeth A. Coolev, Collection Development Librarian, Claude Moore Health Sciences Library, University of Virginia, Charlottesville, VA.

A three-step methodology was developed to evaluate the bioethics collection of the University of Virginia's Claude Moore Health Sciences Library. This model can be used in evaluating interdisciplinary subject areas. Our analysis consisted of determining what should be owned as noted by authoritative sources; secondly, what is owned within the existing collection; and lastly, what has been published in the field. To begin the procedure, an authoritative list from the National Reference Center for Bioethics Literature at the Kennedy Institute of Ethics, Georgetown University was acquired to determine what basic resources in the field should be added to the collection if not already owned by the library. Due to the interdisciplinary nature of bioethics literature, the list was checked against other libraries' catalogs within the University of Virginia system to compare their holdings, these included the Law and Health sciences libraries. Next, the subject was searched against the libraries' online catalog system, LIS (Library Information System), to determine what was owned within the collection. The last procedure consisted of executing a CATLINE search from 1987 to the present to see what current items where not presently owned by the library. It covered foreign, as well as, English language materials to help with the analysis of the current research topics worldwide in the field of bioethics. The three researched areas were then evaluated and compared to determine what should be purchased to update and enhance the library's collection on Bioethics.

OSTEOPATHIC MEDICAL SCHOOL LIBRARIES: A Survey

Craig S. Elam, Assoc. Director for Technical Services, Health Sciences Library, Texas College of Osteopathic Medicine, Fort Worth, TX; Lawrence W. Onsager, Director, A.T. Still Memorial Library, Kirksville College of Osteopathic Medicine, Kirksville, MO, and Sharon Eckert, Technical Services Coordinator, Jack S. Ketchum Library, University of New England, Biddeford, ME.

Osteopathic medical school libraries provide information services to a rapidly growing segment of the medical profession. There are currently 15 osteopathic medical schools in the U.S., 9 of which were established after 1973. These schools add 1,700 graduates annually to the 31,000 D.O.'s already in practice. Information on the libraries in these osteopathic medical schools is scattered, incomplete, and outdated. As a result, a survey was conducted to determine their current status. Although osteopathic libraries have been invited to submit data for the Annual Statistics of Medical School Libraries in the U.S., most have chosen not to do so. Consequently, data extracted from the 1989/90 Annual Statistics was supplemented by a questionnaire to those osteopathic libraries not represented. Questions from the Annual Statistics were selected to provide data on facilities, clientele, collections, funding, staffing, and services. Questions were also included to determine why they did not submit data for inclusion in the Annual Statistics. The survey results are presented, along with descriptive information on each of the osteopathic medical schools.

Craig S. Elam, Assoc. Dir. for Tech. Serv., Health Sci. Library, Texas College of Osteopathic Medicine, 3500 Camp Bowie Blvd., Fort Worth, TX 76107

DESIGNING A FUNCTIONAL REFERENCE DESK: PLANNING TO COMPLETION

Anne Wood Humphries, Head Reference Librarian, The Claude Moore Health Sciences Library, Box 234, University of Virginia Health Sciences Center, Charlottesville, Virginia 22908

The Claude Moore Health Sciences Library of the University of Virginia installed a new Reference Desk in the central area of the main floor of the library in order to improve the visibility of the desk and to make workflow and service patterns more efficient. Both counter-height and desk-height surfaces were incorporated into the desk design to accommodate various types of interactions.

Steps in the process from planning to completion included: 1) a literature review was conducted on reference desk design; 2) a business furniture designer was consulted for advice on configuration and cost; 3) a proposal, projected budget, and project time line were submitted to library administration; 4) University physical plant, material handling, electrician, and computing departments were contacted to establish work orders; 5) library staff was informed of the plan and time frame; 6) the new Reference Desk opened for service.

Unanticipated problems occurred during installation, but were satisfactorily resolved. The resulting desk design is quite functional and accomplishes the library's objective to make service encounters more efficient and professional.
LIBRARY RESOURCES FOR NURSING: AN ORGANIZATIONAL APPROACH

To achieve this goal, the Library Research Section is committed to training health sciences librarians to conduct valid, well-designed, and meritorious research projects. The Research Resources committee was set up to assist MLA members in their search for resources during the research process.

The Committee members have compiled the Research Bibliography, the Research Projects Database, and the Research Mentors List. The Research Bibliography provides information sources on a variety of research methods which could be applied in library related research. The Research Projects Database provides information on projects in progress. It lists the investigator, a description of the project in progress, completion date, and methodology. The Research Mentors List provides information on individuals serving as research consultants for MLA members in the geographic area designated.

Copies of the Bibliography, the Database, and the List will be distributed at the poster session. The session will be an opportunity for those interested in conducting research to identify others working on similar projects. And the session will stimulate and support research interest among MLA members.
CONTRIBUTED PAPERS
ABSTRACTS
Because most health sciences libraries do not apply subject classification systems to journals, collection analysis is difficult. In 1989, EBSCO undertook a thorough subject analysis of titles in the health sciences. We developed a list of 113 subject headings, based on those used in the UMDNJ's list of Journals Indexed by Index Medicus, and assigned one subject heading to each of the 2,929 journals indexed by Index Medicus in 1989.

With this information, EBSCO produced for the University of Medicine and Dentistry of New Jersey (UMDNJ) Libraries a customized subject report of all Index Medicus titles, with the UMDNJ titles designated by an asterisk. This report also included information on the total cost for each subject area, the average price per title in each subject area, the total number of titles within each subject area, the number of titles purchased by UMDNJ within each subject area, and the percentage subscribed to within each subject. The customized collection analysis reports generated as a result of the work done for the Index Medicus Price Study allowed the UMDNJ libraries to maximize resource sharing by eliminating duplication and applying the money saved to bring several subject areas up to the "research" level.

This paper will explain a shelflist sampling methodology that has been used in studies of more than 20 academic libraries, and 4 hospital libraries. A stratified random sample of the shelflist is analyzed to provide a detailed description of the collection according to age and language of publication, percentage of duplication, and distribution of serials, monographs, and non-print formats in each subject division of the collection. The resulting profile provides a multi-dimensional, quantified description of the collection that is not influenced by subjective evaluation.

Cooperating libraries using this methodology will know the precise foundation for their collaboration. Comparative profiles for several libraries will be presented. The management applications by individual health sciences libraries will be discussed, as well as the implications for cooperative collection development and resource sharing.

Lyn M. Fortney, Biomedical Division Marketing Manager, EBSCO Subscription Services, Birmingham, AL, and Victor P. Basile, University Librarian, University of Medicine and Dentistry of New Jersey, Newark, N.J.

COMPARATIVE COLLECTION ANALYSIS FOR IMPROVED RESOURCE SHARING Beth M. Paskoff, Assistant Professor, School of Library and Information Science, Louisiana State University, Baton Rouge, LA.

Librarians are expected to know and understand their collections, but often are able to provide little information beyond the number of volumes in the collection. Cooperative collection development demands a thorough knowledge of the strengths and weaknesses of the individual collections, and resource sharing is most productive when the scope of the lending library is well known.

This paper will explain a shelflist sampling methodology that has been used in studies of more than 20 academic libraries, and 4 hospital libraries. A stratified random sample of the shelflist is analyzed to provide a detailed description of the collection according to age and language of publication, percentage of duplication, and distribution of serials, monographs, and non-print formats in each subject division of the collection. The resulting profile provides a multi-dimensional, quantified description of the collection that is not influenced by subjective evaluation.

Cooperating libraries using this methodology will know the precise foundation for their collaboration. Comparative profiles for several libraries will be presented. The management applications by individual health sciences libraries will be discussed, as well as the implications for cooperative collection development and resource sharing.

Beth M. Paskoff, School of Library and Information Science, Louisiana State University, Baton Rouge, LA 70803.
CHARACTERISTICS OF LIBRARIES WILLING TO SERVE THE UNAFFILIATED HEALTH PROFESSIONALS

In order to increase end-user access to MEDLINE, the Briscoe Library of the University of Texas Health Science Center at San Antonio (UTHSCSA) became the test site for the National Library of Medicine's "$100 flat rate library password" program which allowed unlimited searching of the NLM data bases for a fixed fee for twelve months. All persons in the fifty counties of South Texas as well as persons affiliated with UTHSCSA were eligible to purchase these passwords. Five counties were targeted, including Bexar County where the UTHSCSA is located and four counties in the Lower Rio Grande Valley on the Texas-Mexico border.

Subscribers to flat-rate passwords were encouraged to purchase Grateful Med in order to simplify searching. Subscribers were offered several purchase packages which included the password, Grateful Med, and various instructional options. The results of the project were gratifying although the goal of selling 300 passwords was not met. Most password purchasers were affiliated with the UTHSCSA; forty-four of the physicians surveyed in South Texas had not heard of MEDLINE. Informal training sessions were much better attended than were four-hour courses with CME credit. The various strategies of Briscoe Library staff to market the passwords will be discussed.

Virginia M. Bowden, Library Director, Briscoe Library, University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, TX 78284-7940

FLAT RATE MEDLINE ACCESS AND UNAFFILIATED HEALTH PROFESSIONALS IN SOUTH TEXAS

Virginia M. Bowden, Library Director, Briscoe Library, University of Texas Health Science Center at San Antonio, Janna Lawrence, Online Services Coordinator, Briscoe Library; Evelyn Olivier, Assistant Director for Administration, Briscoe Library; and Rajia Tobia, Assistant Director for Public Services, Briscoe Library.

BACKGROUND

In an attempt to increase end-user access to MEDLINE, the Briscoe Library of the University of Texas Health Science Center at San Antonio (UTHSCSA) was selected to test the National Library of Medicine's "$100 flat rate library password" program which allowed unlimited searching of the NLM data bases for a fixed fee for twelve months. All persons in the fifty counties of South Texas as well as persons affiliated with UTHSCSA were eligible to purchase these passwords. Five counties were targeted, including Bexar County where the UTHSCSA is located and four counties in the Lower Rio Grande Valley on the Texas-Mexico border.

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USING GRATEFUL MED ON BITNET TO ACCESS NLM DATABASES
Richard K. C. Hsieh, Dr. P.H., Director, International Programs, National Library of Medicine, Bethesda, Maryland and Carlos A. Gamboa, M.D., Regional Advisor, Resources Program, Pan American Health Organization, Washington, D.C.
This paper describes a recently-developed system using the National Library of Medicine (NLM) software GRATEFUL MED and the academic communication network BITNET to access NLM databases.
Internationally, health personnel could be connected to NLM MEDLINE through the international "packetswitching service" system using X.25 protocol. It is still most difficult, sometimes impossible, for medical scholars and clinicians in Latin American and Caribbean countries to use online access of NLM databases as their colleagues in the North, due mainly to the high cost and the limited international communication services in many of these countries.
BITNET is an academic communication network linking together more than 1,000 education and research institutions in Asia, America, and Europe, and the number is growing. This paper reports the experience in developing and testing of the system.

STRESS IN THE LIBRARY: PERSONAL OR ORGANIZATIONAL FAILURE?
User Services Coordinator Pia Tollo Brown
Health Sciences Center Library, University of Florida
Gainesville, Florida

Stress in Public & Technical Services is ultimately the result of communication breakdown. The larger the library (and staff), the more complex the human interactions, hence the more likelihood that stress will exist. Yet some polls have indicated that librarians do not experience much stress or burnout, when compared to other professions. So what can we believe?
This paper examines the literature of psychology, education, and library science, reviews the results of some empirical studies on the subject, and looks at the high costs of stress. Two myths regarding the causes of stress are dispelled. Stress is viewed as both an organizational as well as personal problem. Individual solutions are shown to be ineffective and temporary, whereas organizational solutions are more lasting and affect a greater number. Organizational sources of stress are listed and 2 are examined in detail: Miscommunication and Work Overload. The causes of each of these sources are analyzed. The author's solution is to apply Carl Jung's theory of psychological types and the Myers-Briggs Type Indicator to library work settings.
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FACING TENURE: A TEAM APPROACH
Trudi Di Trolio, Assistant to the Director, Rebecca K. Satterthwaite, Head, Information Services, University of Florida, Health Science Center Library, Gainesville, FL.

Librarians at the University of Florida Health Science Center Library are faced with rigorous performance expectations if they are to achieve tenure. During the first five years of employment with the University, staff must strive to make substantial contributions to the goals of the research institution and the information profession, in addition to attending to the daily occurrences of a busy academic library. Generally this is a very stressful period in their careers.
There are seven untenured librarians at the HSCl, representing almost half of the professional staff. Recognizing their stress and need for guidance the Assistant to the Director formed a Tenure Support Group. The group provides a forum for discussion and strives to nurture teamwork and collegiality among the staff. This paper describes the varied programs and mechanisms employed by the group and explores the ramifications of a team approach to achieving tenure.
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COMPUTER DATABASE SEARCHING AND PROFESSIONAL MALPRACTICE: WHO CARES?
Nicholas G. Temprano and Barbara J. Frey, Information Services Librarians, University of Connecticut Health Center, Lyman Maynard Stowe Library, Farmington, Connecticut

The topic of malpractice in librarianship has been frequently covered in the professional literature. The question of whether a librarian could face a charge of professional malpractice has intermittently been discussed beginning with a hypothetical case which appeared in 1976. These discussions have been theoretical: under which conditions might librarians be culpable; how might librarians avert malpractice charges; what determines malpractice? This paper attempts to empirically ascertain librarians' perspectives toward the possibility of actual malpractice charges, specifically as they relate to computer database searching. Eighty-three academic medical libraries and one-hundred and six academic law libraries responded to a questionnaire designed to gauge the concern associated with malpractice and its relationship to variables such as disclaimer usage and extensiveness of pre-search interviewing. Examples of search disclaimers were included in the findings. Notwithstanding the published papers on the topic, only eleven percent of the medical librarians and twenty-one percent of the law librarians are highly concerned by the possibility of malpractice charges. The authors conclude that there is a moderate degree of concern in the profession concerning malpractice, although no actual case could be cited. Rather than continue to theorize, recommendations for further research are suggested.
SERVICES TO UNAFFILIATED HEALTH PROFESSIONALS

Peggy Mullaly-Quijas, Acting Assoc. Director, and Claire Gadzikowski, Special Projects Coordinator, Midcontinental Regional Medical Library Program, McGooan Library of Medicine, University of Nebraska Medical Center, Omaha, Nebraska.

The Midcontinental Regional Medical Library Program (MCRM) staff compared the data collected from the RML 1990 Network Membership Survey with the data collected from the 1988 Membership Survey. When it was found that there was an average of .40 FTE decrease in professional staffing for the membership, as well as an average of 156 title decrease in unique serial titles held by each network member, the staff examined the following questions:

1. What are the characteristics of the libraries that offer services to unaffiliated health professionals?
2. What are the most popular information services available to unaffiliated health professionals?
3. Are there any restrictions placed on health professionals to receive these services, especially for document delivery?
4. Have the number of institutions offering services and the type of services offered to affiliated health professionals increased or decreased between 1988 and 1990?

Hospital libraries, who make up the majority of network members and institutions that serve unaffiliated health professionals, will be examined in more detail. The results of the analysis will show that for area codes in the region, there is at least one library that offers both document delivery and online searching for unaffiliated health professionals.

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USING A LOCAL AREA NETWORK IN PUBLIC ACCESS MICROCOMPUTER FACILITIES

Janis F. Brown, Associate Director, Educational Resources, Norris Medical Library, University of Southern California, Los Angeles, CA.

The local area network (LAN) at the Norris Medical Library is an integral part of its microcomputer facilities providing a variety of computing services from one centralized resource. Established in 1988, the Novell Netware LAN includes nearly 80 stations for public use. Users can utilize the LAN for gaining access to (1) over 100 software programs, (2) USC computing resources including a ten year MEDLINE file and thirteen other database, internet mail, UNIX-based gene sequencing software, and other Novell LANs, and (3) 13 printers. The library is adding Macintosh stations to the LAN and setting up remote access and CD-ROM servers. For the staff, the LAN (1) facilitates software installation and maintenance, (2) offers protection against viruses and copying, and (3) provides an easy means for collecting usage statistics. Unfortunately, maintaining a LAN is not trouble free. The LAN requires extensive time commitment by a trained and experienced Netware administrator. Finding space for the network equipment also has not been a trivial problem in an already crowded library. Various other equipment problems have arisen, as have difficulties in installing Netware revisions and modules.

The benefits of the LAN far outweigh the problems.

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THE INS AND OUTS OF MANAGING A STUDENT MICROCOMPUTER LAB

Cynthia H. Goldstein, Assistant Director, Tulane University Medical Center Library, New Orleans, LA.

In late 1986, the Tulane University Medical Center Library undertook a joint project with the Computing Services Department on the main campus access town to set up a small student computer lab in the library. Since then, the lab has grown from 8 stand-alone machines with three printers to 28 machines including an AppleShare network with Imagemaker and Laserwriter printers, stand alone DOS machines and printers, and mainframe terminals with a line printer. The evolution from stand along units to network has meant major changes in the level and complexity of support required without any additional staff. Although Mac software is loaded on the filemaker and is available 24 hours a day, software for the DOS machines which are not networked must check out from the circulation desk during the 90 hours a week that the library is open. Laser printing is also available only to the networked Macs.

This paper will discuss the impact of the lab on staff, students, and the library budget and will address the challenges of securing an unstaffed facility open 24 hours a day within the library that is not. Copyright concerns, user education, and equipment maintenance will also be covered.

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DETENTION AND CONTROL OF MICROCOMPUTER VIRUSES IN A PUBLIC ACCESS LAB

Philip H. Arny, Systems Coordinator, Bio-Medical Library, University of Minnesota, Minneapolis, Minnesota.

A crippling infestation of computer viruses appeared in the computers at the Learning Resources Center (LRC) of the Bio-Medical Library at the University of Minnesota during 1989. Unwary users infected and reinfected LRC systems. Scant information on virus control existed in print form, but new sources including electronic bulletin boards and mailing lists provided viral current information and anti-viral programs, as well as insight into the history and nature of microcomputer viruses. A combined program of user education, increased security, and anti-viral programs greatly reduced the impact of viruses in the LRC, although new and more cunning viruses appear monthly. Vigilance and continued research have provided reasonable safety for the LRC microcomputers and their users. Anyone responsible for microcomputer resources must take precautions against viruses and plan appropriate security measures for users and their data.

Philip Arny, Systems Coordinator, Bio-Medical Library, Diehl Hall, University of Minnesota, Minneapolis, Minnesota, 55455.
Librarians at Risk: Overcoming Stress and Burnout
Amy Gische Lyons, Assistant Director, Health Sciences Library, University at Buffalo, Buffalo, NY.

Librarians regularly experience stress within their work environment, however it is only within the past few years that this area has begun to receive some attention. The term stress is defined and the relationship between stress and burnout is discussed. The reasons librarians appear to be vulnerable to burnout are identified. Reference to the literature in the areas of stress and burnout are examined. Results of a questionnaire distributed to members of (UNVOC) the Upstate New York and Ontario Chapter of MLA identifies how medical librarians experience and cope with stress and compares their reactions with other populations previously studied. Results of the paper indicate that safeguards can be taken to prevent stress and burnout.
Amy Gische Lyons, Assistant Director, Health Sciences Library, Abbott Hall, University at Buffalo, Buffalo, NY 14214

Reach ing Underserved Health Providers in SouthWest Ohio
Stephena Harmon, Information Services Department, University of Cincinnati, Health Sciences Library, Cincinnati, Ohio and Phyllis C. Self, Director, University of Cincinnati, Health Sciences Library, Cincinnati, Ohio.

Preceptors give predoctoral students their most concentrated exposure to the daily practice of medicine. A primary goal of the Cincinnati Area Health Education Center (CAHEC) Program has been to provide health care professionals in medically underserved areas a link to the resources of the Medical Center and to alleviate their feeling of isolation. Approximately 120 medical students are placed in 60 Family Medicine preceptorship sites and 60 Pharmacy students are placed in 6 pharmacy preceptorship sites in any given year. These CAHEC rotations include 21 inner city health centers operated by the Cincinnati Department of Health, private solo and group practices in rural and urban areas, and community health centers. The University of Cincinnati’s Health Sciences Librarians are linking underserved health care practitioners and students in SouthWest Ohio to the Health Sciences Library resources. A program, based on utilizing students trained in the use of a variety of computer software such as GRATEFUL MED and access to document delivery services to access to health care information will be described.
Phyllis C. Self, Ph.D., Director, University of Cincinnati, Health Sciences Library, 231 Bethesda Ave., Cincinnati, Ohio 45267-0574

Information Evaluation and Rural Outreach with Texas Tech MEDNET
Marc Moore, M.A., Curriculum Developer and Evaluation Specialist, Texas Tech MEDNET, and Associate Director for Education, Library of the Health Sciences and JoAnn Van Schaik, M.L.S., Assistant Director for Teaching and Learning Resources, Texas Tech Health Sciences Center, Lubbock, TX 79430.

Texas Tech MEDNET is a $1.92 million federally funded matching grant which electronically links Texas Tech Health Sciences Centers with 23 rural hospitals throughout Texas. The project uses interactive video to provide patient consultation and continuing education in order to help rural health care practitioners overcome problems of professional isolation.

The librarian of the project serves in three capacities:
1. Information specialist. Continuing education video programs are accompanied by printed information packets. The librarian and a subject specialist identify the most critical and relevant review articles on each topic. The librarian obtains copyright clearance so that copies of the articles can be included in the packets.
2. Educational programmer. The project librarian helps identify speakers and makes recommendations for case management conferences. This role has evolved into that of Curriculum Developer for the project.
3. Individualized learning consultant. The MEDNET librarian helps combine learning resources into individualized learning packages on topics specified by the rural physician.

This paper describes the project, the role of the librarian, the methods used for evaluation, and the summative evaluation results.
Mary Moore, M.A., Associate Director for Education, Library of the Health Sciences, Texas Tech University Health Sciences Center, Lubbock, TX 79430.
The Welch Medical Library installed an integrated library system in 1983 using the ILS software developed by the National Library of Medicine. Over the past 6 years library staff have made major modifications to the software, including the addition of a serials module which was designed for check-in and lack of financial accounting capabilities. Instead of building a unique financial reporting module Welch chose to participate in a pilot project with The Faxon Co. to use ANSI Accredited Standards Committee X12 invoice transaction sets. The implementation of EDI as a communications tool for serials financial data in a library is examined. The Library's current operating environment, institutional goals, available technical and human resources, collecting activity and workflow are described. The benefits of EDI for library use are considered. The issues involved in implementing EDI from the technical, operational, organizational and financial viewpoints are presented. Finally, the future of EDI in libraries, whether the pilot project can be integrated fully into the production environment, what resources will be required and how EDI will impact on the relationships between libraries, publishers and the business community, will be discussed.

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ELECTRONIC MAIL JOURNAL CLAIMING: THE USE OF ALANET TO CLAIM MISSING ISSUES.

Leonard Rhine, Ph.D., Head, Technical Services, Health Science Center Library, University of Florida, Gainesville, FL.

The objective of the project was to establish a more rapid claiming procedure for missing journal issues from Continental Europe. Since 1985, the Library has been able to send claims directly to Majors Scientific Subscriptions through the MORE system. Approximately one third of the Library's claims could not be transferred electronically.

In order to speed up the claiming procedure to Harrassowitz, the Library's subscription agency in Germany, a mechanism for electronically forwarding the information was developed. Using a PC with a modem and telecommunications software, the HSCL accesses ALANET through telecommunication networks such as TELENET or TTYMNET. On a weekly basis, the Library enters the claiming information on a WORDPERFECT template and saves it onto the SMARTCOMM hard drive directory as an ASCII file. These claims are transferred as messages, via TTYMNET, to Harrassowitz and onto ALANET. In response to the messages, Harrassowitz staff began returning information about the disposition of the claims. Instead of forwarding, via mail, individual reports on the status of each claimed issue, one electronic message is sent with the information on all missing claims. The procedure also has been adapted for the ordering of monographs and journals.

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EDITORIAL CONSIDERATIONS IN THE MAPPING OF THE MeSH AND LCSH SYSTEMS.

Tony Olson, Head of Technical Services, Northwestern University Galter Health Sciences Library, Chicago, IL

A number of online catalogs support two or more subject thesauri for public searching. The thesauri can be searched separately, but problems arise when multiple thesauri are combined into a single subject index. Solutions to these problems will result from problems arising when multiple thesauri are combined into a single subject index. Solutions to these problems will result from a project carried out by the Northwestern University Libraries in which the Library of Congress Subject Headings (LCSH) and the Medical Subject Headings (MeSH) systems were mapped onto each other. Using a computer, about 310,000 pairs of headings from the MeSH and LCSH systems were generated and printed out. Subject editors examined each MeSH/LCSH pair to determine whether or not the members represented the same concept and should be mapped. The subject mapping information was then added to the MeSH and LCSH authority records. These enhanced authority records can be used in an online catalog to generate a single unified subject index in which conflicts between the MeSH and LCSH systems will be eliminated, and users will be led from headings in one system to related headings in the other system. The enhanced records will be made available to other libraries and library systems.

Tony Olson, Northwestern University, Galter Health Sciences Library, 303 East Chicago Ave., Chicago, IL 60611
THE APPLICATION OF QUALITY FILTERS IN SEARCHING: SOME POSSIBLE METHODS  
E. Diane Johnson, Head, Information Services. J. Otto Lottes Health Sciences Library. Emma Jean McKinn, Assistant Professor and Mary-Ellen Siewert, Associate Professor, School of Library and Informational Science, University of Missouri - Columbia, Columbia, MO.

More and more often, clinicians are requesting help in identifying the most important literature on a topic. Yet database producers have done little to distinguish articles by quality or significance. For this reason, searchers have had to rely upon their own creativity in restricting search results by some objective indicators of quality as mutually agreed upon between the searcher and the requester. This paper will address the following issues:

- What objective indicators or pointers to "quality" exist today in commercially available medical databases?
- How does the indicator perform on a sample search topic?
- Are there any limitations associated with the use of each indicator?

A cross-file search on Alzheimer's disease will be used to examine how these filtering mechanisms affect retrieval in various databases.

E. Diane Johnson, Head, Information Services, J. Otto Lottes Health Sciences Library, University of Missouri - Columbia, Columbia, MO 65212.
A MANAGEMENT INFORMATION SYSTEM FOR DECISION SUPPORT AND PLANNING IN A MEDICAL LIBRARY

Damon Camille, Assistant Executive Director for Library Services, Houston Academy of Medicine-Texas Medical Center Library, Houston, Texas.

Libraries serve a wide variety of clients with different needs and considerations, and are faced with a multitude of decisions in their attempt to provide effective services. During their normal course of business, libraries generate a wealth of data that could be used to help them make these decisions. Unfortunately, the data are not recorded in such a way as to be readily useful.

The Houston Academy of Medicine-Texas Medical Center Library has designed a Management Information System/Decision Support System that collects data from a variety of sources, stores the data in a common format, and allows easy interpretation and comparison for management decision making.

The goals of the project, sources of data, hardware and software considerations, Library Service Modules, and benefits of the system will be described.

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THE FORMATION AND IMPLEMENTATION OF A DEPARTMENT OF HEALTH INFORMATICS

Thomas Singarella, Professor and Chairman, and Susan Selig, Associate Professor and Acting Director, Health Sciences Library, Department of Health Informatics, University of Tennessee, 8 So Dunlap, Memphis, TN 38163

This paper describes the development and implementation of a new academic Department of Health Informatics (1990) at the University of Tennessee, Memphis. The University of Tennessee, Memphis (UT Memphis) is the major health science center for the State of Tennessee. The purpose of this paper is to present how the health sciences library functions and is evolving in the new department.

The Department of Health Informatics was formed by the merger of the departments of education, computer sciences and the Health Sciences Library. The purpose of the merger was to combine existing university resources into one, more effective and efficient unit to provide centralized support services for the teaching, research, and clinical programs of the campus. The faculty expression in the department includes three areas: the information sciences, educational technology, and scientific communications. The synergy among these three areas has facilitated a different kind of department which supports the operations of a modern health sciences library.

The authors will outline the vision and raison d'etre for the department and discuss how the autonomy of the Health Sciences Library was maintained. The integration of the education, computer science, and library faculty will be discussed along with the mission of the department, organizational structure, budget, goals, and the beginning development of a curriculum in health informatics.
ILLUSTRATION

THE LIBRARY'S DATABASES. The library has placed its databases on several workstations, and to teach access to the Medical Center's workstations. The purpose of the MAClinical Workstation Project is to develop computer workstations for medical students of the sort they will use in future medical practice. The idea is to instill information query habits in the daily clinical activities of physicians-in-training, and to provide access to library information. The objectives are to improve instruction in clinical informatics, to automate the history and physical reports written by students, and to teach access to the medical literature and related diagnostic/knowledge systems available in the library's databases. The library has placed 30 Macintosh computers throughout the University Hospital and 4 affiliated hospitals. The MACs are connected to the medical center's IAIMS Knowledge Network consisting of numerous bibliographic informational and diagnostic databases.

The project outcomes are significant to the library. Remote access to the bibliographic systems—miniMEDLINE and ALERTS/Current Contents—has increased steadily. Residents are also using the MACs for Grateful Med searching. Demand for full-text increased and a special interface to the BRS CCML was developed to provide users with automatic access to articles selected from their bibliographic searches. Other avenues for transmitting documents electronically are emerging. The library's teaching role has grown steadily.

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SEARCHING THE CITED REFERENCES IN THE FULL-TEXT MEDICAL DATABASES, CCML AND MEDIS. MaryEllen C. Sievert, Associate Professor; Emma Jean McKinley, Assistant Professor, School of Library & Informational Science; and E. Diane Johnson, Head, Information Services, J. Otto Lottes Health Sciences Library; University of Missouri-Columbia, Columbia, MO.

The use of citations to locate information on a pertinent topic is a well-documented procedure, as those familiar with Science Citation Index or Social Sciences Citation Index know. However, the full-text databases in medicine, CCML or MEDIS, offer the health science searcher the opportunity to use the references as an additional source of information on a topic. In these databases, the terms in the title of the cited reference are often searchable. How often does searching the titles in the references result in additional, valuable output for the requester? How effective is a strategy which combines retrieval from the references with retrieval from another field, such as the abstract, title or even the complete text? Preliminary data from the MEDLINE/Full-Text Research Project suggest that the reference field can serve as a precision device but to be successful in using this kind of strategy the searcher needs to be aware of the way the database formats the references.

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How does a medical center information system operate?
1. promote information systems literacy in the medical center;
2. identify the specific information services needed by medical center work groups;
3. determine personnel and capital resources necessary to support campus-wide information systems implementation;
4. generate support for a university information systems initiative?

To accomplish these objectives, the Biomedical Information Communication Center (BICC), a group at the Oregon Health Sciences University that includes university computing, telecommunications and library resources, developed an Information Management Work Group (IMWG) initiative in which the BICC needed several IMWGs by providing computing networking, software development and installation, and user training. The funded IMWGs were selected from proposals submitted in response to a campus-wide, competitive RFP.

This paper discusses the conduct of the IMWG program and the degree of success in achieving the four objectives listed above. Particular reference is made to the role of professional librarians in conducting the IMWG program and the degree to which professional librarians, their perspectives and their user orientation, have been integrated into the organization created from the consolidation of computing, telecommunications and library departments.

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BREAKING DOWN THE STEREOTYPES: LIBRARY/INFORMATION SPECIALISTS MOVE INTO THE INFORMATION AGE

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The purposes of this study were: 1) to compare past and present purposes, and 2) to compare the vocational interests of librarians with those of information specialists. A sample composed of 150 ALA members and 150 ASIS members was given the American Library Association (Lire) Interest Inventory and a job activity questionnaire.

A significant difference was found between past and present placement in the Arts Job Cluster; present placement was in the Science Job Cluster. No significant differences were found between librarians and other information professionals in the 5 of the 6 ACT scales. The findings of this study have implications for vocational counseling and recruitment to the library and information profession as one profession. No serious differences divide librarians and information specialists.

THE SOURCES AND SEARCH FOR PATIENT MANAGEMENT

Ellen Marks, Barbara Tuchfarber, and Christine Thennes, Medical Center Information and Communications and Department of Internal Medicine, University of Cincinnati Medical Center, Cincinnati, Ohio

Health care providers have the potential to obtain patient management information from a variety of professional, clinical and bibliographic sources of expertise. Through innovations such as IAIMS programs, providers are able to bring the results of their information searches quickly to bear on patient problems, diagnoses and treatment alternatives. To explore the patterns of residents' and students' search for information (and to explore as well the effects of the introduction of IAIMS), the IAIMS staff conducted a case-comparison study which included 25 alternative. Using a critical incident technique, respondents were asked to recall the last time they needed to consult a source in the management or difficult case, to describe the precise need and to order all sources contacted. This exploration has contributed insights into the relationships among sources of information and expertise, directions for system design and modification and re-evaluated training interventions. Preliminary findings indicate that IAIMS is both a valuable information retrieval and information management tool for busy clinicians.

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AN INNOVATIVE PROJECT TO PROVIDE BIBLIOGRAPHIC SUPPORT FOR THE CREATION OF A NEW MEDICAL TEXT

Robert J. Sekerak, Interim Director, Donna K. Lee, Media Librarian, Joanne S. Weiln stock, Reference Librarian, Charles A. Dana Medical Library, University of Vermont, Burlington, VT; Nancy A. Blanchi, Reference Librarian, Durick Library, St. Michael's College, Colchester, VT; and Kathy Alexander, Senior Medical Editor, Raven Press, Redmond, WA

The Charles A. Dana Medical Library, University of Vermont, entered into a contract with Raven Press to provide bibliographic support for the creation of a 2-volume book on the adult spine. The editor-in-chief, a University of Vermont faculty member, wanted to centralize control of the bibliographies of the 70 chapters that would comprise the work. Initial, 10-year searches of the MEDLINE database would be performed for the chapter authors and updated upon receipt of the manuscripts by the editors to ensure maximum currency. The Library would also coordinate verification of the chapter bibliographies, estimated by the editor-in-chief to total 6000 to 7000 citations. The initial searches were performed by the Dana reference staff and downloaded to floppy disks. The bibliographic management system, Reference Manager, was acquired to create a database for verification purposes, and a health sciences librarian was hired for the verification project. This paper will examine the procedures employed and discuss some of the problems and complexities encountered. Reference Manager's contribution to the project will also be assessed and data on citation accuracy presented.

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THE LIBRARIAN IN THE INTEGRATED ACADEMIC INFORMATION MANAGEMENT SYSTEMS ORGANIZATION

James E. Morgan, M.L.S., Associate Director of User Services, University Librarian; Millard F. Johnson, Jr., M.L.S., Assistant Director of Public Services, and Joan Ash, M.L.S., M.B.A., Planning and Personnel Coordinator, Biomedical Information Communication Center, Oregon Health Sciences University, Portland, Oregon

Since the landmark paper "Academic Information in the Academic Health Sciences Center" was published, there has been a movement in academic health sciences centers to consolidate computer, telecommunications, libraries and other academic information services into a single organization. The hope is that a consolidated organization can focus existing resources and attract new organizational. Librarians worry that in the consolidated organization resources formerly available for traditional library media will be used for computing hardware, that library faculty will be subordinated to computing center directors, and that the ideals and standards of librarians will be lost or degraded.

This paper reports the experience of librarians at the Oregon Health Sciences University as the library becomes part of the Biomedical Information Communication Center (BICC). The paper discusses traditional and nontraditional roles for librarians in administration, planning, marketing, resource management, system design, project management and public services. Special reference is made to configuration of "library" services in the new BICC building under construction.

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CONSIDERATIONS TO EXTENDING IAIMS INTO NON-CLINICAL ARENAS: Kimberly Parker, Chemistry Librarian, Yale University, New Haven, CT; Katherine Branch, Head, Science Libraries, Yale University, New Haven, CT; and Donald Waters, Head, Library Systems Office, Yale University, New Haven, CT.

It is our purpose to explore and identify the costs and benefits in non-medical arenas of integrated information. We selected chemistry as the discipline to test the models of IAIMS in part because chemistry shares many similarities with medicine. Being alert to the absence of the imperatives of clinical practice in chemistry, we proceeded to develop the Chemist's Crystal Ball, a HyperCard product designed to provide integrated access to a variety of information resources. We have reached the conclusion that the type of user directly affects what kind of integration is possible and useful. There is a clear tension between the goal of meeting the needs of sophisticated users and that of providing a unified and easy mechanism of access for those less experienced. We have also discovered that where the IAIMS model is most vulnerable is in its ongoing maintenance. Ultimately, any limits to IAIMS rest within ourselves and how we choose to mix the emerging roles of software engineer and program maintainer with the more traditional roles of librarian.

FAKES, FRAUDS AND FUZZY FACTS: CASE STUDIES OF MISLEADING CITATIONS IN MEDICAL LITERATURE

Mary Edith Walker, Director, St. Jude Children's Research Hospital, Memphis, TN, Deborah Brackstone, Head, Interlibrary Loans, and Janelle Rudolph, Reference Librarian, Memphis State University Libraries, Memphis, TN.

Fraud in scientific work has been spotlighted recently, raising issues of quality in the medical literature. We assert that misleading citations are part of the problem and constitute an ethical issue for researchers and librarians. (By misleading we mean not only typographical errors, but also excessive self-citation, padding of bibliographies, and misquotations.) Our paper will present evidence that misleading citations bolster questionable hypotheses and sometimes lead to factual errors in the literature. We will report the results of case studies we are undertaking to determine whether retracted papers have more citation errors than others. The second part of our paper will urge a proactive stance to combat the proliferation of these practices and suggest practical steps librarians in any library may take.

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JOURNAL RETRACTION POLICIES by Susan A. Selig, Associate Professor and Associate Director and Mary King Givens, Associate Professor, Health Science Library and David L. Armbruster, Ph.D., Associate Professor and Head, Division of Educational & Research Support, Dep't of Health Informatics, University of Tennessee, Memphis 38163

Widespread publicity concerning scientific fraud and misconduct indicates problems with the conduct and communication of science. Fraud-free science cannot be legislated and inevitably articles will be published based on unsubstantiated or flawed data. This presents a significant problem: systematically and consistently notifying the scientific community that fraud or misconduct occurred during a study now in print. The ramifications affect authors, publishers, other researchers, librarians, and those providing patient care.

The National Library of Medicine (NLM) has directly addressed this problem of notification with the addition in 1984 of a MeSH term "retraction of publication." NLM amends the title field of the MEDLINE citation of the retracted article to refer users to the formal published retraction and provides a reciprocal linkage from the retraction to the retracted article. The success of NLM's policy, however, depends on the journal in which the fraudulent article was originally published to print a retraction notice.

We surveyed 163 clinical journals to determine their current policies for informing their readers of a previously published fraudulent paper. Results of this survey show that few journals have written policies regarding the retraction of fraudulent papers. Comments from various editors reflect the complexity of this issue.

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MISCONDUCT IN SCIENTIFIC PUBLISHING: A CASE STUDY WITH IMPLICATIONS FOR HEALTH SCIENCES LIBRARIANS

Julie Johnson McGowan, Ph.D., Associate Director, School of Medicine Library, University of South Carolina, Columbia, South Carolina

Public Health Service Law 42 CRF Part 50, enacted in 1989 and mandating how institutions receiving federal grants respond to suspected cases of misconduct in research and scholarship, has broad implications for health sciences institutions, and, consequently, the health sciences librarians within those institutions. Shortly after the Law was enacted, our institution was notified of a suspected case of plagiarism involving one of our former faculty members. A committee to investigate the allegation was appointed, comprised of a cross-section of faculty, including a medical librarian.

Following closed-door hearings, the findings were sent to the administration and eventually disseminated to the appropriate federal agencies and parties involved in the action.

This paper looks briefly at the circumstances resulting in the plagiarism allegation and examines the role played by the medical librarian during the formal hearings into the charge. It presents the circumstantial evidence and suggests a variety of outcomes, concluding with the action taken by the institution in the resolution of the case. Finally, it raises ethical and legal questions which need to be addressed by those involved in investigations of suspected misconduct in scientific publishing.

[Note: Confidentiality of the parties involved and the specifics of the case will be maintained.]
SYSTEMS SUPPORT FOR END-USER SEARCHING IN AN ACADEMIC AND CLINICAL ENVIRONMENT
Carol M. Leloné, Programmer/Analyst, Health Sciences Library, University at Buffalo, Buffalo, New York.

The MED FILE System at the Health Sciences Library, University at Buffalo contains the miniMEDLINE (tm) and the ALERTS (tm) / Current Contents (r) Search Systems, both of which are modules of the Georgetown University Library Information System, and Physician's Data Query (PDQ) a product of the National Cancer Institute.

The main theme of this paper is to explain the MED FILE project and the convergence of an academic health sciences center library and teaching hospital libraries for bringing this service to students, faculty, clinicians, residents, and researchers. The MED FILE project provided the hospitals with end-user access to the biomedical literature, and in some cases, the opportunity to introduce microcomputers to the hospital library setting. Considered efforts have been made to ensure that the union of the academic and clinical libraries continues by investigating new equipment and software needs; conducting regular evaluations; and planning for the future.

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UNLIMITED ACCESS TO MEDLARS PILOT PROJECT
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In September 1989, the University of Washington (UW) Health Sciences Library and Information Center (HSULC) was selected by NLM as the first university in the U.S. to offer its faculty, staff and students unlimited access to all NLM's databases for a flat fee of $100 per individual for one year. The purpose of the Unlimited Access to MEDLARS Pilot Project was to gather information about usage levels and search patterns to help NLM determine the feasibility of an online flat rate and an appropriate charge for unlimited annual access. NLM allocated 500 codes which HSULC then sold. HSULC also served as a broker for Grateful Med.

The project impacted both the operations and philosophy of HSULC's Information Services Section. The number of mediated searches dropped significantly. Especially surprising was the amount of technical support needed by participants in dealing with modems, PCs and software installation. During the project new strategies and programs were developed, such as: marketing techniques; teaching large numbers of health professionals Grateful Med or direct searching; traveling off-site to teach classes; strengthening cooperative agreements with librarians in affiliated hospitals; establishing a drop-in Online Lab; creating an Unlimited Access to MEDLARS Users' Group; and providing consultations to participants on both software and hardware problems.

A brief questionnaire was distributed in August 1990 to determine the value of the program to the participants. This paper describes HSULC's experiences with the project, the results of the questionnaire, and the impact of the project on Information Services.

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END-USER SEARCHING AND NEW ROLES FOR LIBRARIANS
Barbara Lowther Shipman, Coordinator, Health Sciences Technical Systems and Special Projects, Diane G. Schwartz, Coordinator, Health Sciences Information Services, and Sandra C. Dow, Head, Public Health Library, The University of Michigan, Ann Arbor, MI.

Since 1988, the rapid proliferation of databases available to end-users at the University of Michigan has impacted the role of librarians dramatically. While librarians at the Taubman Medical Library had seen a gradual change in role throughout the 80s, the last several years launched us into the future.

In early 1989, free unlimited searching of PaperChase (known as UM-MEDLINE) was made available to students, faculty, and staff of the University. The availability of UM-MEDLINE best illustrates how the roles of librarians have been changing due to the introduction of electronic information resources. It has had an impact on the importance and level of mediated searching, the type of reference questions received, the instructional programs offered, the kind of training needed by reference librarians, and the role and responsibilities of the database services coordinator. This paper describes the impact on a reference department of a massive end-user searching program, changes in role resulting from such a program, and the ways in which one library has prepared its staff to deal with them.

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