

**The Biomedical Libraries  
Dartmouth College/Dartmouth-Hitchcock Medical Center  
2001/2002 Annual Report**

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Director of Biomedical Libraries

July 15, 2002

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The Biomedical Libraries are the Dana Biomedical Library at the Dartmouth College campus in Hanover, New Hampshire, and the Matthews-Fuller Health Sciences Library at the Dartmouth-Hitchcock Medical Center in Lebanon, New Hampshire. The Libraries' mission is to provide health and life sciences information resources and services that support research and scholarship, teaching, and patient-care activities of Dartmouth Medical School (DMS), the Dartmouth-Hitchcock Medical Center (DHMC), and Dartmouth College. There is also a long-standing partnership between the Libraries and Mary Hitchcock Memorial Hospital's Department of Nursing to provide specialized information resources and services to DHMC nurses. In addition, the Biomedical Libraries have contracts to provide information services to three members of the Dartmouth-Hitchcock Alliance of hospitals: the Central Vermont Medical Center (Barre, Vermont), the Cooley Dickinson Hospital (Northampton, Massachusetts), and the Gifford Medical Center (Randolph, Vermont).

The Biomedical Libraries' core priorities are

- **information** – providing health and life sciences information that supports research and scholarship, teaching, and patient-care,
- **education** – programs to train and educate faculty and students in the skills needed to effectively find, evaluate, and manage health and life sciences information, and
- **communication** – partnering with our users, being familiar with their needs, and providing and promoting resources and services that support those needs.

The level and character of use of the Libraries in 2001/2002 continued the trends from previous years – namely, that document delivery, use of the Biomedical Libraries Web and digital information, the number of digital journals, and user education all increased, while gate counts, circulations (of non-digital information), reference desk transactions, and user photocopying were down. (See the appendix.) The Libraries continue to become a set of digital resources and services rather than principally a physical entity.

The Biomedical Libraries' priorities for 2001/2002 as cited in the annual report for 2000/2001 were

**1. Information resources: continue to add more digital full text. Find additional or reallocate funds to acquire clinical information resources.**

Information is one of the Libraries' core priorities. See <http://www.dartmouth.edu/~biomed/resources.html>.

Support for existing information resources was maintained, and additional information resources were acquired. Conservative budgeting during 2001/2002 in anticipation of huge increases in subscription costs and to sequester "venture funds" resulted in a modest reserve at the end of the year. These monies will be used to acquire additional resources.

The number of health and life sciences digital journals available to users continues to climb. In June 1999, the Biomedical Libraries Web listed approximately **450** digital journal titles. In June 2000, it listed **553**; in June 2001, **1,572**; and, in June 2002, **2,059**.

Use of MD Consult (MDC) – a valuable digital resource that includes a number of key medical textbooks (reference books) - increased 39% in 2001/2002. Nonetheless, we gave serious consideration to dropping MDC because of a 25% price increase. We looked at several alternatives, such as Books@Ovid and STAT!Ref. The Dartmouth-Hitchcock Clinic has been splitting the cost of MDC's ten seats (concurrent users) with the Libraries; the Clinic strongly favored keeping MDC. Consequently, we renewed the license, but reduced the number of seats to seven.

At the end of 2001/2002, we were about to sign a license to make UpToDate, a highly useful clinical information resource, available to the College and DHMC. Funding will come from a combination of reallocating existing monies, budgeted venture funds, and partnership with the Department of Medicine.

Also at the end of 2001/2002, we signed a license to make Incyte's BioKnowledge Library available to Dartmouth and DHMC. The BioKnowledge Library is a set of proteomics databases that is highly valued by many laboratories at Dartmouth. Funding came from a combination of reallocating existing monies, budgeted venture funds, and contributions from some of the labs most interested in the resource. We see the continued acquisition and licensing of information resources to support the institutions' genetics and computational biology programs as a fundamental responsibility of the Libraries.

As has been the case for several years, the Biomedical Libraries are out of space for hard-copy (paper) journals and books. In 2000/2001, we began an aggressive weeding project to create space for the most-needed books; the project continued during 2001/2002 and will be complete by the end of 2003. Transitioning hard-copy journals – both backfiles and active subscriptions - to digital holdings will ameliorate storage pressures.

We have a coherent information resources management program in which the collection is constantly reviewed to maintain its value to the research and scholarly, educational, and clinical needs of users. The Biomedical Libraries collect detailed statistics on the use of our journal collection in order to make informed decisions about continuing subscriptions.

Cancellations are necessary most years just to deal with the great increases in the cost of information resources (mainly, journals). In 2002/2003, we will do more cancellations because of the relatively tight budget climate at the College and Medical School. And to have any capacity to add new, needed titles, lesser-used current titles must be canceled. Some titles will be canceled altogether, some print subscriptions will be canceled in favor of digital-only, and most journals duplicated at the two Biomedical libraries will be reduced to a single subscription. Unfortunately, most of the marginal titles have been canceled in previous years so we are now in the position of cutting titles that have moderate use.

Document delivery is one of the Biomedical Libraries' most important services, particularly given the dual libraries and contracting local collections. Users may request information – nearly always, copies of journal articles – and it will be delivered whether it is in Dartmouth's collections or must be procured elsewhere. Document delivery service was up 39% in 2001/2002, building on a 25% increase from 1999/2000 to 2000/2001.

In 2001/2002, in conjunction with other libraries at Dartmouth, we implemented digital desktop delivery of documents; through the service, users are sent an email message that lets them download a pdf copy of the document from a secure server.

### Information resources outcomes for 2002/2003,<sup>1</sup>

- Cancel journal titles to stay within budget and to add capacity to add new, needed resources.
- Continue to add more digital full text.
- Articulate options to fund the continued acquisition and licensing of specialized clinical information resources (e.g., UpToDate).
- Identify life sciences interdisciplinary areas at Dartmouth and DHMC and their constituent communities, assess current models to provide information resources and services, and describe and implement new models (if appropriate).
- Identify and assess information resources and services needs in the area of computational biology; describe and implement new models, if appropriate. Articulate options to fund the continued acquisition and licensing of specialized information resources (e.g., the BioKnowledge Library).
- Support information dissemination/knowledge creation/scholarly publishing activity in the health and life sciences.
- Manage print collections to yield space, reduce unnecessary duplicative expenses, and focus on the health and life sciences. Complete book-weeding project.

## **2. Examine the future of Ovid at Dartmouth.**

At the end of 2001/2002, the decision was made to continue with Ovid as a major platform to provide a number of health and life sciences information resources and services to the Dartmouth and Dartmouth-Hitchcock communities. We will regularly re-evaluate the sensibility of maintaining Ovid as the various alternatives (e.g., PubMed) and the Digital Library at Dartmouth develop. We will continue to teach and support both MEDLINEs (Ovid's and PubMed's).

In the meantime, through Ovid, we provide access to MEDLINE, CINAHL (nursing), BIOSIS (biology), several EBM-support resources (including Best Evidence and the Cochrane Database of Systematic Reviews), approximately 80 major health and life sciences journals, and books. Ovid also integrates with the Biomedical Libraries' document delivery service and the Library's collection of full-text journals (regardless of publisher). Use of Ovid was up 10% in 2001/2002.

## **3. Fill the Marketing Coordinator and Information and Education Services Librarian position.**

Working from the perspective that "marketing" – communication - is a general responsibility of all Libraries staff – especially the Librarian Liaisons - we re-defined the position and removed the marketing responsibilities to focus on core information and education services. At the end of 2001/2002, we had just completed interviewing candidates for the revised position of Information and Education Services Librarian.

## **4. Continue development of the Biomedical Libraries Web.**

The Biomedical Libraries Web - <http://www.dartmouth.edu/~biomed/> - is the key tool for the Libraries and is the launch pad for most of our information resources and services. See <http://www.dartmouth.edu/~biomed/webgroup.html/fullwebstats.shtml> for use statistics; average hits/day (excluding images, buttons, specific page elements, etc.) increased from 1,100 in January 2000 to 4,400 in May 2002.

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<sup>1</sup> The detailed, complete list of all goals and outcomes for the Biomedical Libraries is available separately.

We also have a staff-only intranet to host a variety of informational and policy documents.

#### Biomedical Libraries Web outcomes for 2002/2003.

- Continue to make the Biomedical Libraries Web our primary tool for users of health and life sciences information resources and services, and an internal support tool for the staff.
- Coordinate links with new Dartmouth-Hitchcock Web sites.

#### **5. Continue the emphasis on the Libraries' education programs.**

- **Implement new educational programs within the Medical School curriculum.**
- **Support general resident education.**
- **Work on teaching skills assessment and development.**

Education is one of the Biomedical Libraries' core priorities. See <http://www.dartmouth.edu/~biomed/services.html#education.html>.

In 2001/2002, we offered 172 programs – virtually the same as the year before – but had approximately 2,400 attendees – a 29% increase from the year before. An appendix details the depth and variety of the Libraries' education programs.

We focus on substantive involvement in the curricula of the Medical School and Biological Sciences and relevant life sciences interdisciplinary areas. We do open-enrollment workshops, major presentations (such as conferences, orientations, and grand rounds), and department-focused individual and small-group tutorials. Topics include finding and evaluating high-quality health and life sciences information, access and use of full-text journals and textbooks (e.g., MDC), specific databases (e.g., MEDLINE, BIOSIS, PsycINFO, Web of Knowledge, the Library Catalog), presentation skills (use of PowerPoint and development of effective presentations), information management support tools (e.g., EndNote), Web searching tips and techniques, publishing in the health sciences, consumer health, PDAs (personal digital assistants – Palms), computational biology resources and tools, and evidence-based medicine, among other topics. (See the appendix.) Many courses are designated for continuing-education credit.

In 2001/2002, we organized a day-long conference and pair of hands-on workshops on genetic information resources with support from personnel from the National Center for Biotechnology Information. The objective of the conference was to introduce and demonstrate various applications of genetics information resources to faculty and graduate students in the basic science departments as well as relevant clinical departments (e.g., the Norris Cotton Cancer Center).

Beginning in Fall 2002, we will offer classes to both clinicians and basic scientists on genetic and computational biology information resources; we're also investigating options to insert teaching about these resources into the Medical School curriculum and the life sciences undergraduate programs.

Biomedical Librarians are members of the Dartmouth College Library core educators group.

Little progress was made on assessing and developing our teaching skills. The arrival of the Director of Education Programs and the collaboration among the College Library's core educators will advance the achievement of this outcome. Regarding general resident education, while we do teach residents, there's no formal program. The ACGME's (American Council for Graduate Medical Education) new competency requirements in practice-based learning and systems-based practice and the consequently heightened efforts of DHMC's

GME (Graduate Medical Education) office are providing an ideal entry point for the Biomedical Libraries.

#### Education program outcomes for 2002/2003.

- Assess and develop Biomedical Librarians' teaching skills.
- Develop education programs to meet the needs of life sciences interdisciplinary communities at Dartmouth and DHMC.
- Increase staff working knowledge in genetics and computational biology.
- Develop a fundamental education program in genetics and computational biology.
- Contribute to DHMC's programs to effect a core curriculum within graduate medical education in response to the ACGME's new competency requirements.
- Complete implementation of new education programs within the DMS curriculum.
- Elevate awareness of and expertise with PubMed among the health and life sciences communities.

#### **6. Strengthen the functioning of the Consumer Health Library.**

"Consumer health" – disease and wellness of the public, community health improvement – is an important focus for both the Medical School and DHMC. The Biomedical Libraries maintain a Consumer Health Library at DHMC and a Consumer Health Resources Web site. In 2000/2001, we had partnered with DHMC's Center for Shared Decision-Making to relocate the Consumer Library from Matthews-Fuller to CSDM's more visible space on the main level of the Medical Center complex. The move was not successful – it proved too difficult to manage the "remote" and largely unstaffed site – and during 2001/2002 we moved the Consumer Health Library back to Matthews-Fuller.

#### Consumer Health Library outcomes for 2002/2003.

- In collaboration with appropriate departments and groups in DMS and DHMC, identify and assess needs for consumer health information resources and services, including education. Describe and implement models.
- Review paper-based collection in the Consumer Health Library.
- Revise Consumer Health Resources Web site, and identify a process for continual revision.

#### **7. Special collections: work with Rauner Special Collections Library to transfer selected items to Rauner or the general collections, and deaccession the remainder.**

It does not seem appropriate that the Biomedical Libraries have a special collections: we lack the staff expertise and physical facilities to properly curate rare or valuable items, and our users' priorities don't suggest we should maintain these sorts of collections. Consequently during 2001/2002 we worked with Dartmouth's Rauner Special Collections Library to transfer selected items to Rauner.

#### Special collections outcomes for 2002/2003.

- We'll continue to transfer remaining selected items to Rauner or the general collections, and deaccession the rest.

#### **8. Investigate increased library support of computational biology resources and services.**

See above, under "information resources," and "education."

## 9. Develop a marketing and communication plan to promote the Libraries and our resources and services.

Communication is one of the Biomedical Libraries' core priorities. The goals are to market and promote health and life sciences information and resources, and the Biomedical Libraries and our staff.

The Librarian Liaison Program (see <http://www.dartmouth.edu/~biomed/services.html#liaison.html>) is the framework for establishing partnerships with our users – particularly to support the Libraries' core priorities of education and communication. In the Liaison Program, Librarians are assigned to serve as collaborators with specific units of the Medical School, DHMC, Biological Sciences, and various life sciences-focused interdisciplinary programs. An appendix provides examples of various Liaison activities.

New faculty are introduced to the Libraries and our resources and services; I send each new faculty member a letter introducing the relevant Liaison, and Liaisons are expected to follow-up by providing one-on-one and group orientations and tutorials.

In general, Liaisons update faculty and students about new information resources and services; they attend faculty meetings, seminars, conferences, grand rounds, and other events. Liaisons are expected to know their clientele and their projects and priorities and be attentive to their needs for information resources and services. Liaisons contribute to various undergraduate, graduate, and Medical School classes; they make presentations at departmental symposia, grand rounds, and lecture series.

In 2001/2002, we started a Library Advisor program. Currently, each DMS class of 2004 and 2005 has been divided into groups of six to ten students, and each group has been assigned a Librarian. Library Advisors are expected to help students

- find, interpret, and use information,
- with assignments that involve the Libraries,
- request and use the Libraries' resources and services, whether the students are on- or off-site, and
- resolve any questions or problems they might have about the Libraries.

The effectiveness of the Librarian Liaison Program is determined largely by the initiative of the individual Liaisons. We need to develop service guidelines to act as a common base for activities, recruit Librarians who can be active collaborators with faculty and students, and help current Liaisons be effective.

Library Grand Rounds (see <http://www.dartmouth.edu/~biomed/new.html#lgr.shtml>) continue to be an effective way to present the Libraries' resources and services to clinicians - a difficult group to reach.

The *Biomedical Libraries Newsletter* (see the archive of issues at <http://www.dartmouth.edu/~biomed/about.html#news.html>) is an important way to promote the Libraries and health and life sciences information resources and services. In 2002/2003, the *Newsletter* becomes a digital-only publication that will be issued on an occasional basis, rather than monthly, in paper. The changes will continue to make the publication be an effective tool to acquaint our users with our resources and services. Digital distribution will mean that we can eliminate lead time needed for printing and therefore make the publication more timely.

In 2001/2002, for the fifth year, we developed and sponsored a regional conference for New England librarians. See <http://www.dartmouth.edu/~biomed/services.html#conferences>. October 2001's Conference was "Web Usability: Does Your Site Work?" October 2002's Conference is "The Web: Super Searching; Super Teaching." In 2002, the Biomedical Libraries will be conjoining our Conference to one offered by Dartmouth Academic Computing on "Built Environments on the Web: Structure, Access, Wayfinding, and Delight" (see <http://www.dartmouth.edu/~october/>).

#### Marketing and communication outcomes for 2002/2003.

- Determine users' needs for and perceptions about library and information resources and services. Describe a program of user assessment, including a process for continual assessment.
- Assess current status of Librarian Liaison Program, define expectations for performance (service guidelines), and hold Liaisons accountable for success.
- Identify Library Advisors for remaining DMS classes and Biological Sciences majors, and selected life sciences interdisciplinary areas.
- Develop a marketing and communication plan.

#### **Dartmouth-Hitchcock Alliance.**

At the beginning of 2002/2003, we began coordinated planning with the leadership of the Dartmouth-Hitchcock Alliance to develop a comprehensive program of information resources and services for the DHA members. The Libraries could provide better, more effective support of the entire Alliance if there were a unified program instead of multiple individual contracts with particular members.

#### DHA outcomes for 2002/2003.

- Conclude planning for a comprehensive program of information resources and services for the DHA members.

#### **International Programs.**

The Biomedical Libraries provide important support for the Medical School's two partnership projects with educational institutions in Kosovo and Russia. In the Russia project, we work with librarians from the Faculties of Medicine and Biology of Petrozavodsk State University and the National Library of the Republic of Karelia to improve access to and use of biomedical information. In the Kosovo project, we are working as part of a broader DMS project to rebuild medical education at the University of Prishtina, Kosovo. We made two assessment visits to Kosova during 2001/2002, and began to establish a formal partnership with the European Union's European Agency for Reconstruction.

#### **The Biomedical Libraries Staff.**

See the staff directory and organization chart at <http://www.dartmouth.edu/~biomed/about.html#staff.html#index.shtml>.

None of the accomplishments of the Biomedical Libraries nor our plans for the future would be possible without the efforts of this very talented group.

Specific staffing changes during 2001/2002 included:

- Cindy Bird's term appointment as Information and Education Services Librarian and CVMC Consulting Librarian switched from full time to part time in January 2002.

- Heather Blunt served as acting Nursing Services Librarian during Fred Pond's leave of absence, in addition to her regular duties as Information and Education Services Librarian and CDH Consulting Librarian.
- Linda Bonnett resigned as Document Delivery Assistant.
- Kerrie Bushway joined Dana Access Services as Library Services Assistant.
- Theresa Ciambra resigned from her position as Library Services Assistant in Dana Access Services.
- Melissa Lardiere joined Dana Access Services as Library Services Assistant in a term appointment scheduled to end in August 2002.
- Reed Lowrie, Dana's Access Services Supervisor, is on a leave of absence through August 2002 to attend the Graduate School of Library and Information Science at the University of Illinois. Jill Wilcox, Stacks Supervisor at Dana, is serving as Interim Access Services Supervisor.
- Owen McDowell joined Dana Access Services as Library Services Assistant.
- Karen Odatto was promoted to Librarian III.
- Pam Osgood joined the staff as Document Delivery Assistant.
- Fred Pond returned from a six-month leave of absence that began on July 1, 2001. His position was changed to Nursing and Outreach Services Coordinator and Information and Education Services Librarian. As Outreach Services Coordinator, Fred has responsibilities for the Libraries' contracts with DHA members and our work in the Kosovo and Russia project.
- Cindy Stewart returned to the Biomedical Libraries, as Associate Director/Health Sciences Library.
- Matt Wiencke resigned as Library Services Assistant in Dana Access Services.

Both Bethany Bryden and Reed Lowrie pursued professional library degrees during 2001/2002 – Beth at Simmons College and Reed at Illinois. Dave Izzo is pursuing a Master of Arts in Teaching with Internet Technologies, at Marlboro College.

Sheila Gorman is increasing her working knowledge of genetics and computational biology through formal training at the National Center for Biotechnology Information, as well as auditing Dartmouth courses.

We continue to focus on staff development. We've begun cross-training and cross-staffing among the various user service points. All Biomedical Libraries staff are encouraged to attend conferences and take courses, and to pursue atypical venues for development – for example, for Librarians to skip the usual library conferences and instead attend discipline-specific and association meetings.

Several staff made major contributions to the Dartmouth College Library. For example:

- Karen Odatto is a member of the core educators group.
- Peggy Sleeth chaired the search committee for Head of Access Services and served on the current awareness subgroup of the Dartmouth Digital Library at Dartmouth project.
- Cindy Stewart served on the search committee for Physical Sciences Librarian and the interlibrary loan/document delivery subgroup of the digital library project.

#### Biomedical Libraries staffing outcomes for 2002/2003.

- Extend develop opportunities to non-exempt staff.
- Develop program to support special staff development activities.
- Continue cross-training program and cross-staffing.

**Appendix: 2001/2002 Summary Statistics.**

	1998/1999 FY99	1999/2000 FY00	2000/2001 FY01	2001/2002 FY02	% change FY01-FY02
<b>GATE COUNT</b>	287,115	279,448	253,613	265,579	5%
<b>INFORMATION RESOURCES</b>					
<b>Expenditures (all sources)</b>					
Monographs	\$116,367	\$76,667	\$55,454	\$74,923	35%
Serials	\$945,695	\$1,064,600	\$1,079,848	\$1,169,729	8%
Binding	\$29,846	\$37,969	\$35,475	\$32,441	-9%
Total	\$1,091,908	\$1,179,236	\$1,170,777	\$1,277,093	9%
<b>Holdings</b>					
Books	95,644	100,764	99,535	96,396	-3%
Serial Volumes	149,010	150,071	152,821	156,289	2%
Microforms	22,486	22,867	13,326	13,326	0%
Other Formats	27,503	27,483	27,701	27,938	1%
Total Collection Size	294,643	301,185	293,383	293,949	0%
<b>Subscriptions</b>					
Ejournals linked on BL Web, 6/30	2,498	2,507	2,501	2,584	3%
	450	553	1,572	2,059	31%
<b>CIRCULATION</b>					
<b>External Reserves</b>	121,274	108,857	81,377	64,697	-20%
<b>In-house</b>	22,640	20,195	18,435	17,766	-4%
	13,040	10,453	8,740	7,734	-12%
	85,594	78,209	54,202	39,197	-28%
<b>INFORMATION CONTACTS</b>					
Directional	12,128	7,666	5,801	5,478	-6%
Reference	20,289	19,040	19,074	17,075	-10%
Total	32,417	26,706	24,875	22,553	-9%
<b>MEDIATED SEARCHING</b>					
Search Requests	754	486	508	537	6%
<b>EDUCATIONAL SERVICES</b>					
Programs	143	169	173	172	-1%
Attendance	1,800	1,733	1,855	2,390	29%
Contact Hours	166	193	221	200	-10%
<b>INTERLIBRARY LENDING/BORROWING</b>					
<b>Items Lent</b>					
Photocopies	6,190	5,537	5,931	5,518	-7%
Books	5,390	5,052	5,341	5,043	-6%
Other	789	484	581	475	-18%
	11	1	9	0	-100%
<b>Requests Received</b>					
	7,758	6,678	7,947	7,305	-8%
<b>Items Borrowed</b>					
Photocopies	7,391	6,581	8,061	10,915	35%
Books	6,877	6,197	7,624	10,435	37%
Other	498	376	430	480	12%
	16	8	7	0	-100%
<b>PHOTOCOPY SERVICES (articles)</b>					
Document Delivery Service/Biomed Collections		7,979	10,620	14,403	36%
Document Delivery Service/From Other DCL		471	644	1,041	62%
Fee-based Service	998	977	449	837	86%
For Contracting DHA Institutions	695	454	447	713	60%
For Russian Libraries			297	593	
Total Articles		9,881	12,457	17,587	41%
<b>PHOTOCOPYING (pages)</b>					
Public Copiers	620,948	602,790	451,156	342,735	-24%
Staff Copiers	289,999	242,313	264,607	266,519	1%
Total	910,947	845,103	715,763	609,254	-15%
<b>LASER PRINTING (pages)</b>					
	342,081	452,717	537,097	624,436	16%

## Appendix: Representative Liaison Activities.

See <http://www.dartmouth.edu/~biomed/services.html#liaison.html#/>.

Not all Liaisons' activities are listed here. See also the "Education Programs" appendix, below.

**Heather Blunt** is the Liaison to Audiology, Gastroenterology, General Surgery, and Neurosurgery. In 2001/2002, Heather, in addition to acting as her clientele's primary contact,

- Made office visits to Gastroenterology and Neurosurgery faculty and residents.
- Oriented Neurosurgery's chief resident.
- Presented to patients in Spine Center's Functional Restoration Program.

As acting Nursing Services Librarian during Fred Pond's leave of absence, Heather

- Met regularly with the Director of Nursing Education.
- Was a member of the Nursing Education Council and the "Writing for Publication" group (and offered research assistance for DHMC nurse authors).
- Attended Nursing Grand Rounds.
- Provided orientations for new RNs during Scope of Practice days.

**Sheila Gorman** is the Liaison to Biochemistry, Clinical Pharmacology, Cognitive Neuroscience/Psychological and Brain Sciences, Endocrinology/Metabolism, Genetics, Hematology/Oncology, Human Biology, Nephrology, Pharmacology and Toxicology, Physiology, and Urology. In 2001/2002, Sheila

- Developed Genetics and General Medicine subject guides.
- Provided instruction on the new Library Catalog to graduate students and faculty in basic science and clinical departments.
- Gave library orientations to new students and faculty in the departments of Pharmacology and Toxicology, Physiology, and Biochemistry, and offered individual tutorials to new residents and other clinicians in Nephrology, Urology, and Oncology.
- Provided in-class instruction, library support, and assignment evaluation on the use of MD Consult by DMS II students within the SBM/Hematology course.
- Led a day-long conference and pair of hands-on workshops on genetic information resources with support from personnel from the National Center for Biotechnology Information.
- Co-authored, with faculty from Physiology, the article "Drink at Least Eight Glasses of Water a Day – Really? Is There Scientific Evidence for '8x8'?", in press, *American Journal of Physiology: Regulatory, Integrative, and Comparative Physiology*.
- Taught undergraduates about BIOSIS, Web of Knowledge, and other tools for botany course research projects.

**Tom Mead** is the Liaison to Community and Family Medicine (CFM), the Center for the Evaluative Clinical Sciences (CECS) – both very large and active groups - DHMC Risk Management, and Clinical Nutrition. In 2001/2002, Tom

- Worked with family practice residents from Concord.
- Attended meetings of the Dartmouth COOP.
- Supported CFM faculty at the Buck Road facility.
- Participated in meetings of Dartmouth's Committee for Protection of Human Subjects (also known as the Institutional Review Board, or IRB).

For CECS, Tom

- Participated in an extensive orientation for new students, including computer-support sessions.

- Taught two classes, "Introduction to the Evaluative Clinical Sciences," with Elliott Fisher.
- Gave numerous EndNote workshops.
- Participated in the "Quality in Healthcare" CECS course (taught by Paul Batalden, Steve Plume, and others), functioning as the Resource Librarian and class consultant.

**Fred Pond**, in addition to being Nursing Services Librarian, is also Liaison to Allergy, Infectious Diseases, Podiatry, Pulmonary Medicine, and Physical Medicine/Rehabilitation. Fred

- Consulted on copyright permission issued which were delaying publication of a new process invented by DHMC nurses.
- Presented on copyright to the "Writing for Publication" group (which he co-leads).
- Attended Medical, Surgical, Nursing, and Information Services grand rounds.
- Participated in state-wide planning meetings for the NH Area Health Education Center, and attended the national AHEC annual meeting.

**Peggy Sleeth** is the Liaison to Biological Sciences. In 2001/2002, she

- Provided an introduction to the Biomedical Libraries' resources and services for new Molecular and Cellular Biology graduate students.
- Partnered with faculty in Biological Sciences and Environmental Studies in several courses to teach undergraduates about finding, evaluating, and managing life sciences information. A major collaboration with Bill Roebuck in his Ecotoxicology seminar included an assignment in which students worked with Biomedical Librarians to find and evaluate primary information.

Peggy meets with the Biological Sciences faculty at their full meeting every Fall, and is in close contact with faculty, postdocs, and graduate students.

**Cindy Stewart** is the Liaison to Anesthesiology, Cardiology, General Internal Medicine, Medicine, Neurology, the Pain Center, the Spine Center, and Surgery. She's also the Libraries' contact with DHMC Volunteer Services, Public Affairs and Marketing, and Information Systems, and represents the Libraries in the DHMC Department Heads group. In 2001/2002, Cindy

- Made several presentations to participants in the Spine Center's Functional Restoration Program, focusing on how to find and evaluate high quality health information on the Web.
- Presented on "Health Care and the Internet" to the New Hampshire School Health Care Coalition.
- Briefed DHMC Departmental Computer Liaisons on "consumer health information on the Web."
- With Heather and Peggy, represented the Libraries at DHMC's Volunteer Health Day.
- Was the guest speaker at a DHMC Auxiliary Board meeting; Cindy spoke about "consumer health information on the Web."
- For Public Affairs and Marketing, identified credible bioterrorism-related Web sites.

**Marge Westerfield** is the Liaison to Connective Tissue, Dermatology, Microbiology and Immunology, Pathology, Radiation Oncology, Radiology. Marge is also the consultant to Dartmouth's Institutional Animal Care and Use Committee (IACUC). In 2001/2002, Marge

- Provided workshops and individual tutorials to faculty and residents in CECS, Microbiology and Immunology, Pathology, Physiology, and Radiology.
- Presented an overview of the Libraries' resources and services to the entire Radiation Oncology department.
- Was the principal Libraries teacher in Pathology's informatics program for residents.

- For the IACUC, regularly performed in-depth literature searches for researchers seeking protocol approval. Marge was appointed to a two-year term as an ad hoc non-voting member of the IACUC through June 2004.

In addition, all Liaisons are Library Advisors to the DMS classes of 2004 and 2005.

**Appendix: Education Programs.**

<b>workshop/orientation name</b>	<b>date</b>	<b>no. of attendees</b>	<b>hrs</b>	<b>instructor</b>
<b>July</b>				
GME Orientation	2-Jul	100	0.5	ko
Peds noon conference - resources	9-Jul	20	0.5	ko
Lib resources and medline - CDH	10-Jul	4	1	mw
CPO - APD Hospital	10-Jul	15	1	hb
Medline	24-Jul	5	1.5	hb
PP	25-Jul	9	1.5	di
MDC and full-text	30-Jul	3	1	np
<b>August</b>				
PP for clerkship students	7-Aug	12	1	di
DMS 1 Orientation - presentation	10-Aug	80	0.25	ko
DMS 1 Orientation - tours, etc.	10-Aug	80	2	various
IM Grand Rounds	17-Aug	68	1	tm
DMS 2 Orientation	20-Aug	80	0.5	ko
EBM - Primary Care IM residents	22-Aug	4	1.5	ko
Lib resources and medline - CDH	22-Aug	5	1	mw
CINAHL tutorial	22-Aug	1	2	hb
Ovid autoalert tutorial	23-Aug	1	1	ko
Kosovo students - orientation	28-Aug	3	1	fp
Kosovo students - medline	29-Aug	3	1.5	fp
Resources - tutorial	29-Aug	1	1	ko
Ovid tutorial	29-Aug	1	1	ko
OB noon conference	30-Aug	8	1	ko
<b>September</b>				
Resources - tutorial	4-Sep	1	1	ko
Intro to PP	5-Sep	5	1.5	cb
Concord intern	6-Sep	1	1	cs
CINAHL	17-Sep	8	1.5	hb
MDC at GMC - AM	18-Sep	3	1	ko
MDC at GMC - PM	18-Sep	2	1	ko
LGR - PDAs	18-Sep	75	1	di, et al
Ovid tutorial	20-Sep	1	1	ko
Ovid, et al tutorial	20-Sep	1	1.5	ko
Computing at Dartmouth - CECS	20-Sep	50	0.5	di
Intro to PP - CECS	20-Sep	24	1.5	di
LGR - PDAs for med students	21-Sep	80	1	di, bg
Orientation - Molec Bio Grad students	24-Sep	9	1	ps
Orientation - Molec Bio Grad students	24-Sep	6	1	ps
PsycINFO	24-Sep	6	1.5	mw
Ovid - CECS Elliot Fisher's class	26-Sep	40	1	ko
Medline	27-Sep	3	1.5	hb
Ovid autoalert tutorial	27-Sep	1	1	ko
EndNote	28-Sep	7	1.5	tm
Orientation - Kosovar students	Sep	3	1.5	fp
Medline - Kosovar students	Sep	3	1	fp

**October**

Adv PP	4-Oct	8	1.5	di
EBM - Peds residents	8-Oct	15	1	ko
GMC Med Staff meeting	9-Oct	15	0.25	ko
Catalog workshop	9-Oct	1	1	cs
Concord intern	11-Oct	1	1	ko
EndNote	26-Oct	11	1.5	tm
Catalog workshop	24-Oct	1	1	cs
SBM-Heme presentation	25-Oct	80	0.5	sg
October Conference	25-Oct	120	6	guests
NCBI workshop	30-Oct	100	3	guest
NCBI hands-on session - AM	30-Oct	15	1.5	guest
NCBI hands-on session - PM	30-Oct	15	1.5	guest
Intro to PP	31-Oct	7	1.5	hb
tutorial	31-Oct	1	1.5	ko

**November**

Resources - tutorial - GMC	1-Nov	1	0.5	ko
On Doc 2 - EBM presentation	8-Nov	80	0.75	ko
On Doc 2 - indiv sessions	Nov	80	0.5	various
Medline tutorial	9-Nov	1	1	
Medline	12-Nov	3	1.5	hb
PubMed, etc - Prishtina MDs	12-Nov	60	1	fp
PubMed, etc - Prishtina med students	12-Nov	20	1	fp
EBM - OCER in Enfield	14-Nov	12	1.5	ko
MDC and CPO - CVMC	21-Nov	2	1	cb
Adv PP	27-Nov	7	1.5	di
Web searching	28-Nov	4	1.5	ko

**December**

Colby Sawyer students orientation	4-Dec	3	0.5	fp
MDC for nurses - Gifford	4-Dec	8	1	ko
Intro to PP	5-Dec	8	1.5	hb
Searching tutorial	6-Dec	1	0.5	ko
Concord intern	6-Dec	1	1	ko
Medline and PsycINFO tutorial	7-Dec	1	1.5	mw
EndNote tutorial	12-Dec	1	1.5	ko
MDC and CPO - CVMC	13-Dec	4	1	cb
MDC and CPO - CVMC	20-Dec	1	1	cb

**January**

concord intern	2-Jan	1	1	ko
endnote	7-Jan	5	1.5	tm
adv pp	8-Jan	9	1.5	di
medline - path residents	8-Jan	4	1.5	mw
web searching - path residents	10-Jan	4	1.5	ko
ecotox resources - ENV5 80	10-Jan	4	2	ps
orientation	10-Jan	7	0.5	fp
medline	15-Jan	2	1.5	sg
lib orientation - Biol 7	15-Jan	15	1	ps
presentation - gifford staff meeting	15-Jan	20	0.25	ko
medline - orthopedics	15-Jan	22	1.5	tm
tutorial - medline	16-Jan	1	1.5	ko

tutorial - endnote	17-Jan	1	1.5	ko
adv pp - infec dis faculty	18-Jan	5	1.5	di
lib overview	21-Jan	30	0.5	mw
PT resources - Gifford PT dept	22-Jan	8	1	ko
tour/orientation	22-Jan	2	1	mw
intro to pdas	23-Jan	14	1.5	ko and cs
ebm resources - dart coop - bolton	25-Jan	10	1.5	ko
intro to pdas - dart coop - bolton	25-Jan	13	1.5	ko and cs
orientation	25-Jan	1	0.5	fp
tutorial - medline	28-Jan	1	1.5	ko
tour - 8th graders - shadow day	30-Jan	25	0.5	cs

**February**

bio resources/orientation - Biol 51	1-Feb	2	1	ps
intro to pdas	6-Feb	6	1.5	ko and cs
LGR - Dx tools	15-Feb	30	1	ko
pp tutorial	19-Feb	1	1	hb
tour	19-Feb	3	1	cs
cons health info - funct rest group	20-Feb	8	1	cs
publishing in health sciences	20-Feb	5	1	fp
Consumer Health on Web - CVMC	21-Feb	15	1.5	cb
Consumer Health on Web - CVMC	21-Feb	1	1	cb
tutorial - pda at gifford	26-Feb	1	1	ko
full-text resources	26-Feb	1	1	hb
lib and web orientation - kazakhstan doc	27-Feb	1	1	fp
alt med resources	27-Feb	2	1	ko
alt med resources - Tuck students	27-Feb	4	1	ko
tutorial - pda	28-Feb	1	1	ko

**March**

medline tutorial - kazakhstan doc	1-Mar	1	1	fp
orientation - psyc resident	4-Mar	1	1	ko
pda: getting started	5-Mar	7	1.5	cs
intro to pp	6-Mar	6	1.5	di
pubmed	6-Mar	2	1.5	sg
intro to pdas - gifford	7-Mar	10	1	ko
rpt LGR for DMS students	11-Mar	2	1	ko
adv pp	15-Mar	6	1.5	di
tour/orientation	19-Mar	1	1	fp
pda resources - pda users grp	19-Mar	9	1	cs
endnote	21-Mar	9	1.5	ko
pda: clin apps	27-Mar	4	1.5	ko
web orientation	29-Mar	1	1.5	mw

**April**

medline demo - kosovo	4-Apr	6	1	fp
tour/orientation	4-Apr	1	0.5	fp
medline - hands on - kosovo	5-Apr	6	1	fp
tour/orientation	8-Apr	1	0.5	fp
tutorial - medline	8-Apr	1	1	ko
tutorial - psycinfo	8-Apr	1	1	ko
pda tutorial	8-Apr	1	1	cs
intro to pp	9-Apr	11	1.5	di
pda: getting started	10-Apr	9	1.5	cs

medline workshop	11-Apr	2	1.5	hs
consumer health presentation - gifford	16-Apr	4	1	ko
tour	16-Apr	2	1	fp
medline and psycinfo tutorial - cvmc	18-Apr	1	1	cb
concord intern	19-Apr	1	1	cs
cons info - dhmc volunteers	22-Apr	28	0.5	hb and ps
on doc 1 presentation	25-Apr	50	0.75	hb

**May**

pda: getting started - dick's house	1-May	9	1	ko
cinahl	7-May	2	1	hb
health info web - func rest. Program	7-May	9	1	hb
web orientation	7-May	6	0.5	fp
pda: clin apps - dicks house	8-May	9	1	ko
tour/orientation - nsg scope of practice	9-May	8	1	fp
tutorial - patient resources	9-May	1	0.5	ko
pp tutorial	9-May	1	1	hb
adv pp	15-May	6	1.5	di
Concord intern	16-May	1	1	ko
lgr: fac. Dev. Resources	16-May	20	1	sg
presentation to gifford med staff mtg	16-May	25	0.25	ko
tutorial - pda	20-May	1	1	ko
pda: clin apps	22-May	3	1.5	ko
OCER workshop - clin dx tools	23-May	7	1.5	ko
endnote	29-May	6	1.5	tm
DOMEC workshop - pdas	30-May	4	2	ko
web orientation - gifford new doc	31-May	1	1	ko
On Doc 1 indiv sessions	May	70	0.5	all

**June**

endnote tutorial - cvmc	3-Jun	1	1.5	cb
intro to lib services - cvmc	6-Jun	20	1	cb
pubmed/psycinfo tutorial	6-Jun	1	1	hb
tour/orientation - new nurse hires	10-Jun	9	0.75	fp
tour/orientation - nsg update	10-May	10	1	fp
pda: clin apps - Upper Valley Peds	13-Jun	5	1	ko
tutorial - medline and psycinfo	19-Jun	1	1	ko
pda: getting started	20-Jun	3	1.5	cs
intro to pp	26-Jun	7	1.5	hb
gme orientation	25-Jun	75	0.5	cs
DMS 3 orientation + pda workshop	26-Jun	70	1.5	ko
cinahl	28-Jun	10	1	fp

Total		2390	200.25	
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