

ENGINEERING & SCIENCE LIBRARIES (ESL) ANNUAL REPORT 2006-2007

Highlights:

The 2006-2007 year was one of experimentation, collaboration, change, and accomplishment for the staff of the Engineering and Science Libraries. ESL staff was deeply engaged in system-wide and ESL-based initiatives that will reshape how we deliver services and instruction. We revisited long-standing collections practices, and developed increased structure and focus for strong user outreach. This was also a year for significant staff development and organizational change. We welcomed several new colleagues (Cassandra Fox, Jeremiah Graves, Ryan Gray, and Joseph Lemelin) who contribute enormously to our capacity to serve MIT's engineering and science students and faculty. We are very proud of two junior staff members (Mat Willmott and Remlee Green) who will be taking on significant new challenges in newly-configured positions in the year ahead. As we begin the new academic year, we look forward to NLM Second Year Associate Fellow Courtney Crummett joining us in September, and we are recruiting for both positions in the Aero Astro Library as well as a temporary public service support staff position.

Innovations in faculty and student outreach and faculty advocacy:

Like most academic libraries, ESL faces the challenge of finding new ways to interact with the community at MIT and making sure that virtual library users have incentives and opportunities to benefit from the choices and tools our libraries offer. A year ago we redefined the role of the Barker Associate Head, and Tracy Gabridge began shaping an exciting program of structured support for faculty outreach and community marketing by librarians. The evolution of this role is a first in the MIT Libraries and represents a significant commitment to effect a sustained increase in ESL's focus on the user community. This position will support department liaisons in learning more about their communities, creating marketing and awareness campaigns for ESL communities, developing outreach skills and planning appropriate actions to improve services and resources in the MIT Libraries.

This increasing focus on reaching out to the MIT engineering and science community has paid off by establishing new, valuable contacts with faculty and advancing our work on major initiatives for the Libraries. Creating new programs and continuing to strengthen existing programs led this year to many meaningful contacts with our target client groups.

New faculty contact program: We began a structured program for contacting new faculty in the fall, both in order to let them know about our services and resources and also to learn about them and their research interests to inform our work on their behalf. Nine subject liaison librarians met with sixteen new faculty members. The results were many ongoing interactions, instruction opportunities, suggested purchases, improved user services and the beginnings of many new relationships within our communities.

Scholarly communication: Recognizing that many of the issues encompassed within the phrase "scholarly communication" are impacting the faculty of the engineering and science communities earliest, the ESL libraries have taken a proactive stance and have begun an awareness campaign to inform the user community about key issues. A small group created posters, flyers and other promotional material to display in the ESL libraries and within department spaces. In the new fiscal year, further efforts will be made to hone the message targeted at engineering and science topics and to specific community members.

In conjunction with the MIT Libraries' Scholarly Publishing and Licensing Consultant, ESL also expanded its IAP offering on the topic of copyright. A panel discussion was held involving Claude

Canizares, Ann Hammersla, Ann Wolpert, Thanh Nguyen, Ellen Duranceau and Brian Evans. The session was videotaped and is available through MIT World.

Activism on Digital Rights Management software: This year the Society of Automotive Engineers (SAE) decided to impose Digital Rights Management (DRM) software within their Digital Library product. Because this represents a backwards step in technology that impedes the normal flow of scholarly information, the ESL libraries, in conjunction with the MIT Libraries' Scholarly Publishing and Licensing Consultant, consulted with the MIT faculty who have recently published with the SAE, to understand their position with regard to the licensing changes. They were unanimous in their support for canceling the product if negotiations failed. Notably, Professor Wai Cheng of the Sloan Automotive Lab pursued the issue with the SAE Publications Board. The story was picked up on Slashdot.com, The Tech (<http://www-tech.mit.edu/V127/N26/drm.html>), and the *Inside Higher Education* e-newsletter. As a result, SAE is reviewing its policies and has delayed full implementation of the DRM software pending the outcome of the review. A team of librarians actively monitors the situation and responds quickly to new information from SAE. Tracy, along with Ellen, Angie, and several other librarians deserve enormous credit for the extraordinary campaign they carried out, enabling MIT to take a strong, principled, and economically responsible stance against the SAE's introduction of DRM in their Digital Library product. MIT's refusal to accept DRM garnered worldwide attention, and forged an enduring relationship between the Libraries and several influential, articulate, and principled members of the MIT faculty.

Other outreach experiments and initiatives: One of the keys to effective outreach is to understand our customers. In an innovative collaboration led by Tracy Gabridge, all engineering librarians are gathering data and contacting faculty about conference proceedings in order to understand how this important category of literature is evolving. Many meaningful contacts have been made and opportunities have emerged to improve our collections and to provide expertise to faculty when they are involved in organizing conferences. The ESL Data Initiatives Group, led by Anne Graham, continued its study of faculty needs for scientific data archiving and related services, through meetings and interviews with selected faculty. The ESL Interdisciplinary Biosciences Group, co-led by Howard Silver and Louisa Rogers, continued its collaborative bioinformatics training partnerships with the Broad Institute and the Cancer Research Center. We have also been building our relationship with Countway Library at Harvard, both through training initiatives and through cooperation in relationship to MIT's hosting of an NLM Fellow. Chris Sherratt led the system-wide analysis of outreach and service needs for the MIT energy research community, conducting a careful study of those needs within an ambitious time frame, and resulting in permanent additional funding for energy collections.

ESL's increased focus on outreach is being supported in several other significant ways. Tracy has met one on one with each liaison librarian to better understand the challenges they face in reaching out to the departments, labs, faculty, and students they serve. Several ESL-wide group processes have also yielded valuable and actionable ideas about how to continue to build expertise and skills in outreach and relationship-building. ESL-sponsored "soft" outreach efforts continued to demonstrate the key role of food in reaching MIT students: Science continued what has become a new Hayden tradition ("Food for Thought" for busy students as finals begin); Lindgren hosted several sociable events in EAPS, including a lunch for undergraduates during December finals. Administering small-scale, ad hoc surveys, involving students in critiquing online tutorials, organizing small focus groups, are just some of the other ways that ESL librarians have sought immediate, useful guidance as we change policies and develop new tools or services. These activities also help build a more collaborative relationship with our community, and we benefit from the ideas, energy, and insight of these exceptional students and experts.

Devising and delivering innovative knowledge management tools and skills:

Angie Locknar, assisted by Darcy Duke and Patty Durisin, developed new online tutorials for use in Professor Donald Sadoway's first-year lecture course, using Camtasia software. They built on this expertise to develop system-wide guidelines for the creation of web-based tutorials. ESL's signature "AP" seminar series continued to thrive and evolve as a constantly changing feast of well-attended seminars on information "life skills". This year's offerings included the always popular EndNote and RefWorks offerings, along with new approaches to citation tools, and new workshops on Web 2.0 tools and Library betas as well as new choices regarding open access and intellectual property, aimed at the next generation of scholars and researchers. Another major accomplishment this year led by Erja Kajosalo and Amy Stout was the development and introduction of an MIT first: librarian-led "bioinformatics for beginners" workshops are now a standard, and popular, offering.

In other ways as well ESL grew its contributions to the use of technologies to ease the complexity of the community's work with information. Erja Kajosalo created a partnership with the Chemistry Department to distribute and promote ChemDraw Ultra, a powerful suite of search and presentation tools used extensively among chemistry and life sciences faculty and students. Remlee Green worked with Erja and Angie to bring about a whole new "finding properties" web site (released in July 2007). An ESL team led by Darcy Duke is underway to create an Engineering and Science Libraries presence on the Libraries web site, reflecting the highly interdisciplinary nature of our science and engineering departments. In addition, Remlee Green worked with Nicole Hennig to expand support for bibliographic software by developing expertise and support for Zotero, an open-source bibliographic software application. This successful partnership was one inspiration for creating a second position in ESL with a sustained contribution to the innovative use of web-based technology.

Providing immediate, tangible improvements in service within the Libraries:

Improved spaces and public computing: Within the constraints of the ESL unit operating budgets combined with some centrally provided funds, there were numerous modifications to ESL public spaces that helped to improve their aesthetics, comfort and usability. While the public spaces continue to improve across ESL, the limitations of the ESL public spaces continues to challenge our abilities to fully serve the needs of our users.

Among the improvements achieved in ESL public spaces this year were attractive, freshly furnished informal study areas in the Science window bays and "front end" - shelving from the reference collection and unbound journals area was removed allowing us to create a new, river-facing informal reading lounge, and to alleviate crowding in the high-use Science public computing space. Surplus shelving from this project was deployed in Lindgren, where it replaced substandard shelving.

In Barker, a new Media Suite was created by renovating an outdated room on the fifth floor. This attractive group space for viewing media and improved individual viewing spaces were introduced to an appreciative student crowd at a festive October 2006 open house. New artwork on loan from the List Gallery was added throughout the fifth floor of Barker, as well as a new display area, soft seating, and refinished study tables on the fifth floor; new paint on the 6th - 8th floors further brightened this historic and popular space.

ESL also improved technology support in public spaces. In Barker, the used self-check-out machine was instantly popular despite its extended down time, and we are delighted that a new machine will be arriving in summer 2007. Other computing enhancements were Barker's three new media stations, new

microfiche/film reader/scanner, flat panel monitors and new keyboards and mice. Public computing improvements were also made in Science, where we added a new public workstation, created a new collaborative computing island, improved the locations of print and adaptive technology stations, installed flat screen monitors throughout, and converted several public computers in isolated locations to Win Athena machines to discourage inappropriate computer use.

On a less happy note, beginning in January 2007 numerous library users had their laptops stolen, with the majority of thefts occurring in Barker, though several did occur in Hayden. New security and reporting procedures were developed in response to the events. In addition, Stephanie Hartman played an exemplary role through her work to build better communications with campus police, and raise public awareness of the risks of laptop theft.

Resource and service delivery: ESL staff had a major role in several resource delivery innovations, including teams that researched implementation of unmediated borrowing (URSA); experimented with digital article delivery from stored print collections; and created a public service proposal to expand book page services so that users can page books and pick them up from the same preferred location.

Reference and information service delivery continued to evolve rapidly. One trend is the increase in “away from desk” reference service (up 28% across all of ESL), an indicator of the effectiveness of outreach and instruction activities. With this increase, it has been essential to ensure that quality of service at the desk is well-supported, even as traditional “just in case” librarian expertise has been carefully replaced with a combination of on-call systems and consistent, systematic documentation and training for all staff who work at the service desks.

As part of the evolution of this new model in Hayden, a revised Hayden Service Desk management model was introduced in January 2007, featuring a decentralized staffing model and revised competency expectations for service desk staff. In Barker, the Service Team was transformed when ESL Associate Head responsibilities were re-assigned, a new Access Services Supervisor was recruited, and the Processing Supervisor joined the team as part of the new ESL Public Services Support model introduced the previous summer.

Another development in resource delivery has been the introduction of on-demand document services in Barker for standards (introduced August 2006), and SAE documents (since March 2007). These services represent carefully thought-out use of limited collections resources to meet user needs with near-real-time document delivery provided by Barker staff. The community has embraced these services (54 standards were requested in the first year, and 51 SAE papers), and the tag-team delivery workflow has been both seamless and expertly helpful.

All ESL sites launched new featured collections of attractive and intriguing books for recreational or serendipitous reading. Michael Noga and Carol Robinson coordinated selection for the Science “Serendipity” collection and the Barker Browsery respectively. Data gathered for the R2 IT process indicated that both collections attract higher circulation and have been well received by users in their first year.

At the close of the academic year both Barker and Science began making plans to review and change our current practices for allocating relative amounts of limited collections space to journals and books. While we have begun this process in both libraries, we hope to capitalize further on the opportunity provided by digital journal back files and print cancellations to increase the amount of space available for both books, and user study spaces. Meanwhile, to better support use of multimedia, we have consolidated our media

collections across ESL into the Barker Media area and will be establishing a new media purchasing fund in Barker, managed by Stephanie Hartman.

In the following pages selected trends and statistics are presented for major functional areas of the ESL organization. For further information about the Engineering and Science Libraries, please see: <http://libraries.mit.edu/science>, <http://libraries.mit.edu/barker>, <http://libraries.mit.edu/aero>, and <http://libraries.mit.edu/lindgren>.

ESL Annual Trends and Statistics

1. Service Trends and Statistics

- Tables 1.1 and 1.2 summarize recent activity trends for circulation and reference.
- Almost all categories of circulation activity continue to decline. Loan decline statistics may be misleading because some of the decline can be attributed from the shift of renewal activity from the desk to the user-managed Your Account system.
- In-house use continues to decline, reflecting in part, growth of e-journal collections.
- The ESL increase in door count figures can be attributed in large part to repairs to the Barker gate counter, bringing reported levels similar to those reported in FY04. There were modest declines at other units.
- There was a substantial jump in reported ‘other’ desk questions across ESL. The introduction of new, simplified data collection forms at the service desks could have contributed to the increase.
- Steady increase in away-from-desk reference activity reflects a real trend across ESL and the MIT Library System. The increase in away-from-desk transactions is a possible indicator of growth in outreach efforts.

Table 1.1: ESL Circulation and Door Count, FY03-FY07

CIRCULATION & ACCESS								
LIBRARY	ITEM	2003	2004	2005	2006	2007	CHANGE-1yr	CHANGE-5yr
Aero	In-house use		5399	5532	884	704	-20%	n/a
	Loans (reg+res)		4788	4585	4925	4374	-11%	n/a
	Returns		7611	7207	7590	7276	-4%	n/a
	Bookpage requests		14	11	10	14	40%	n/a
	Doorcount	27917	27,463	23,002	19,615	19,538	0%	-30%
Barker	In-house use	55,969	64,907	58,203	12,976	12,655	-2%	-77%
	Loans (reg+res)	39,428	34,249	30,745	31,964	28,548	-11%	-28%
	Returns (reg+res)	43,752	44,782	41,183	39,487	42,082	7%	-4%
	Bookpage requests	139	123	175	137	178	30%	28%
	Doorcount	92,910	122,251	84,063	78,651	132,467	68%	43%
Lindgren	In-house use	2,666	3,099	2,097	1,487	1,297	-13%	-51%
	Loans (reg+res)	8,683	8,709	8,668	3,593	4,808	34%	-45%
	Returns (reg+res)	n/a	7151	6,701	6,058	6,548	8%	n/a
	Bookpage requests	n/a	29	26	22	42	91%	n/a
	Doorcount	20,355	21,001	20,606	16,863	16,653	-1%	-18%
Science	In-house use (Sci+Hayden)	97,234	76,573	67,193	24,088	19,732	-18%	-80%
	Loans (reg+res)	39,298	55,790	53,855	51,421	46,258	-10%	18%
	Returns (reg+Hayden res)	n/a	61,656	60,896	57,739	55,441	-4%	n/a
	Bookpage requests (Hayden)	n/a	566	697	784	847	8%	n/a
	Doorcount	350,675	357,301	333,647	327,014	296,956	-9%	-15%
Total ESL	In-house use	n/a	149,978	133,025	129,152	128,839	0%	n/a
	Loans (reg+res)	n/a	103,536	97,853	83,166	83,988	1%	n/a
	Returns (reg+res)	n/a	121,200	115,987	110,874	111,347	0%	n/a
	Bookpage requests	n/a	732	909	953	1,081	13%	n/a
	Countway cards	n/a	97	86	187	154	-18%	n/a
	Doorcount	491,857	528,016	461,318	442,143	465,614	5%	-5%
Total Libraries	Bookpage requests	n/a	1165	1770	1653	1820	10%	n/a
ESL % of Total	Bookpage requests	n/a	63%	51%	58%	59%	3%	n/a

NOTES
 In-house use figures for FY03-05 includes reshelving of returned materials, returned material counts not included in FY06 & FY07
 2006 & 2007 Science loans = 50% of Hayden total
 Science doorcount beginning FY2004 includes Humanities Library but not 24-hour study

Table 1.2: ESL Reference Statistics, FY03-FY07

REFERENCE								
LIBRARY	ITEM	2003	2004	2005	2006	2007	CHANGE-2yr*	CHANGE-5yr
Aero	ref at the desk	n/a	1891	2248	1904	1220	-46%	n/a
	ref away from desk	n/a	1022	739	948	975	32%	n/a
	other at the desk	n/a	503	n/a	n/a	1065	n/a	n/a
Barker	ref at the desk	3939	3034	2765	2424	4081	48%	4%
	ref away from desk	1213	1241	692	1255	1851	167%	53%
	other at the desk	1221	1504	1312	1121	6446	391%	428%
Lindgren	ref at the desk	693	349	448	587	408	-9%	-41%
	ref away from desk	n/a	182	298	201	287	-4%	n/a
	other at the desk	n/a	207	240	230	222	-8%	n/a
Science	ref at the desk**	7501	5490	4596		3132	-32%	-17%
	ref away from desk	908	670	918	1202	1509	40%	66%
	other at the desk**	3627	2008	1222		2535	107%	40%
Total ESL	ref at the desk	n/a	10764	10057	4915	8841	-12%	n/a
	ref away from desk	n/a	3115	2647	3606	4622	75%	n/a
	other at the desk	n/a	0	2774	1351	10268	270%	n/a
Total Libraries	ref at the desk	n/a	n/a	n/a		18551	n/a	n/a
ESL % of Total	ref at the desk	n/a	n/a	n/a		65%	n/a	n/a

NOTES

Lindgren 2001-2003 reference stats calculated from ARL sample data. Estimate combines reference and other.

*2-year change calculated because reference numbers were missing for Science in FY06

**Hayden service desk numbers (50%) - FY07

2. Instruction Trends and Statistics

The ESL instruction program has continued its growth in both the variety and reach of sessions offered to the MIT community. This year 228 instruction sessions and events attracted 4,539 participants. ESL staff incorporated new skills and topics into the repertoire of classes provided and continued to arrange for expert instructors in highly specialized areas of instruction. Continued progress was made in meeting the goals in the 2005 ESL instruction plan, further integrating information awareness and skills into courses for undergraduates and increasing our reach to graduate students.

Angie Locknar successfully completed an offering of 3.093, Information Exploration: Becoming a Savvy Scholar, as part of the d'Arbeloff project to integrate information skills into the freshman curriculum. The d'Arbeloff funding was extended another year in order to complete the project's reach into one of the freshman chemistry classes, 3.091. Future plans include approaching the Chemistry department for inclusion in the other freshman chemistry classes (5.111/5.112). Integration into both courses would

mean the successful completion of one of the long-term goals to reach 80% of first year students as stated in the ESL instruction plan.

The development of multimedia tutorials was part of the 3.093 course offering and ESL librarians gained valuable experience with new software and new instructional delivery methods. A system-wide group was created to take the lessons learned locally to the rest of the MIT Libraries.

ESL librarians continued to expand its highly-attended programs of bioinformatics training support, through a combination of invited speakers and workshop leaders, in partnerships within MIT at the Broad Institute and Cancer Research Center; and also through the development of an introductory Bioinformatics course taught by ESL staff. Instructional sessions were requested this year by Broad staff for the first time, showing the positive effects of sustained relationship building activities.

ESL sponsored and participated in 45 IAP sessions (more than 75% of all sessions offered by the Libraries), and continued to organize and deliver series of popular IApril and JulyAP workshops. In all, 90 seminars and workshops attended by over 1100 participants were offered by ESL, independent of formal MIT courses.

This year ESL librarians also increased their reach into MIT courses for both undergraduate and graduate students. New courses for the year include 1.011, 1.018, 2.75, 2.ThA (CI-M), 2.739, 3.093 (part of GIRs), 6.UAT (CI-M), 7.A23, 7.18, 10.28 and 21W.732. Due to an increasing number of sessions and seminars targeted at graduate students, ESL enjoyed a significant increase in numbers of graduate students reached, from 693 last year to 1,678 this year.

Instruction by type of session:

Course-related/integrated instruction FY07: 90 sessions, 819 attendees
 Independent seminars and workshops FY07: 90 sessions, 1,132 attendees

Table 2.1 - Total Sessions and Attendees for ESL instruction sessions and events:

TOTAL	SESSIONS	ATTENDEES
2002/03	137	4022
2003/04	182	3920
2004/05	150	4206
2005/06	212	4940
2006/07	228	4539

Table 2.2 – Undergraduate Instruction
 (course integrated, related, seminars, or workshops)

Undergrad TOTALS	SESSIONS	ATTENDEES
2003/04	41	566
2004/05	69	1084
2005/06	110	1972
2006/07	92	1380

(decrease due to no participation in 9.00 and no blitz for 3.091 this year)

Table 2.3 – Graduate Instruction

Graduate TOTALS	SESSIONS	ATTENDEES
2003/04	29	360
2004/05	37	564
2005/06	40	693
2006/07	80	1678

(Graduate totals include workshops/seminars taught and attended primarily by grad students – may include orientation/tour numbers not included in previous years)

3. Collections trends and statistics

Back files:

Acquiring all journal back files of interest to the MIT engineering and science community continues to be one of ESL's highest priorities in service. This year ESL has intensified its strategy of acquiring online journal back files with the availability of Portico as a backup for current electronic journals. Societies and publishers such as the American Chemical Society, American Physical Society, the Institute of Physics, and Annual Reviews have provided their backfiles to subscribers, including MIT, without significant costs over the last five years. During the last year, ESL has started acquiring more expensive back files from commercial publishers, particularly Wiley and Elsevier. Many were made possible via a central funding process (NERD), but others were made possible through special life sciences funding from the Provost's office, as well as by the Barker Vail Fund. MIT users like the convenience of back files and the ability to go back to older literature from the current articles. Outreach and announcements were made to the research community via the Libraries' blog (<http://libraries.mit.edu/about/backfiles.html>), the Faculty Newsletter, and Bibliotech. Among the major back files acquired in 2006-2007 were:

- AIAA Archive (two 10-year segments)
- Angewandte Chemie
- Elsevier Applied Mathematics
- Elsevier Computer Science
- Elsevier Engineering and Technology
- Elsevier High Energy & Nuclear Physics & Astronomy
- Elsevier Materials Science
- Elsevier Mathematics
- Elsevier Neuroscience
- IMechE Proceedings
- Journal of Fluid Mechanics
- Nature (1950-1970)
- SIAM (Locus)

Access:

- Implemented e-only decisions for Elsevier titles (January 2007).
- Began review of Wiley, Taylor & Francis, Sage, and Oxford University Press titles to go e-only (January 2008).
- Established procedure to re-catalog standards we own and to purchase standards on-demand.

Collection Management:

- Continued review of DDC collection at the LSA.

- Continued work on the Journals Profile database with IS&T.
- Reviewed and reduced footprint of print reference collections in both Barker and Science.
- Established browsing collections in all ESL libraries.
- Began adopting R2 IT recommendations.
- Prepared for 8000-volume journal storage project in Barker for print journals available in electronic form and no longer received in print.

Collection Funding:

- Secured \$400,000 in new funding from the Lacy Foundation for collections in the life sciences (Michael Noga and Louisa Rogers)
- Secured \$35,000 in new funding from the Provost's office for collections supporting the MIT Energy Research Initiative (Chris Sherratt and others).

Trends in Publishing:

- Major publishers, e.g., Elsevier and Springer, are offering subject e-book packages.
- Publishers are beginning to offer products that provide deep access to data, facts, tables, etc. (e.g., Scitopia).
- Publishers offer journal back files in subject packages rather than offer back files for individual journals.
- Publishers provide open-access options for articles, though the cost for the author is substantial.

Selected Statistics:

Table 3.1 – Processing and Storage Trends (2007 to be supplied):

LIBRARY	ITEM	2002	2003	2004	2005	2006	2007		
JOURNAL PROCESSING								CUMULATIVE - 5yr	
Aero	journal vols stored	0	26	48	1	0	326	401	2003-2007
Barker	journal vols stored	2221	3421	713	642	705	na	7702	2002--2006
Lindgren	journal vols stored	2	25	477	735	1212	20	2469	2003-2007
Science	journal vols stored	12416	2660	7272	6059	190	na	28597	2002-2006
ESL total	journal vols stored	12416	6132	8510	7437	2107	na	39169	
								CHANGE-1yr	CHANGE-5yr
Aero	volumes bound - journals	na	na	na	na	na	na	na	na
Barker	volumes bound - journals	1099	1326	1145	955	1614	1462	-9.4%	33.0%
Lindgren	volumes bound - journals	na	na	na	na	na	na	na	na
Science	volumes bound - journals	3369	3329	3660	3947	3560	2727	-23.4%	-19.1%
ESL total		4468	4655	4805	4902	5174	4189	-19.0%	-6.2%
BOOK/SERIALS PROCESSING								CUMULATIVE - 5 yr	
Aero	volumes stored - books	178	169	5	196	115	63	548	2003-2007
Barker	volumes stored - books	6279	5424	1403	1107	8528	na	22741	2002-2006
Lindgren	volumes stored - books	1127	351	2046	1123	502	148	4170	2003-2007
Science	volumes stored - books	474	2559	13026	2062	979	na	19100	2002-2007
ESL total	volumes stored - books	8058	8503	16480	4488	10124	na	46559	

4. Personnel and staffing trends and statistics

The Engineering and Science Libraries made a number of organizational changes this year to streamline management and operations of its service points; to improve the quality of service provided by staff; and expand user self service opportunities. A new management model for technology support was introduced in the libraries; and there were improvements in the technology infrastructure as well as new applications of technology to support services.

Some of the management changes were triggered in part by staffing changes, particularly within the Barker Engineering Library. During the year, three new support staff, an access services supervisor, and a new Local Technology Expert were recruited. The ESL support staff did an outstanding job maintaining services while the new positions were vacant.

Other accomplishments in staffing included:

- Broadened PSS support staff roles; administrative assistants now 50% direct public service support; unit supervisors for processing and access services in ESL are co-leaders of ESL-wide support staff group.
- Increased efforts to attract and recruit underrepresented minorities to our positions.
- Experiments in recruitment of early career professionals, including career-path library liaison for physics – MIT alum with degrees in physics and mathematics (Mat Willmott); successful placement of NLM second year associate fellow; and conversion of permanent support staff role to librarian role with 20% system-wide technology support role (Remlee).

Personnel changes:

Resignations:

- Jackie Harrington (Harvard Libraries)
- Jennifer Harter (Framingham public library)
- Denise O'Malley (Harvard Libraries)

Retirements:

- Linda Bowman

Promotions:

- Diana Daigle
- Mat Willmott (July 2007)

Appointments:

- Cassandra Fox
- Jeremiah Graves
- Ryan Gray
- Joe Lemelin

Appendix 1: Highlights of ESL staff professional activities

1. Degrees awarded:

Howard Silver - DA, Simmons College (May 2007)

Linda Sobottka – MLS, Simmons College (May 2007)

2. Grants and fund-raising:

Angela Locknar with Steve Gass. Second year renewal of d'Arbeloff grant (fund for innovations in education).

Michael Noga and Louisa Rogers. Secured \$400,000 in new funding from the Lacy Foundation for collections in the life sciences.

Chris Sherratt with Jennifer Banks: USAIN – grant for digitization of historic Massachusetts agricultural and rural life literature, collaboration with U. Mass. Amherst (applied; preliminary letter of intent accepted).

Howard Silver and Anna Gold: NLM, Second Year Associate Fellow Placement for 2007-2008

3. Papers / research published:

Silver, Howard. Use of collaborative spaces in an academic library. Unpublished Doctor of Arts dissertation, Simmons College, Boston, May 2007.

Stout, Amy. Article, presented and published in proceedings of the annual meeting, ASEE, June 2007.

4. Presentations and posters:

Gabridge, Tracy. "Connecting with faculty on issues that matter: How vulnerable are conference proceedings?" American Society of Engineering Education Annual Meeting, June 26, 2007, Honolulu, Hawaii.

Gold, Anna. Moderator, ASIS&T panel November 2007 on scientific data archiving.

Gold, Anna. "Librarians and the data challenge: Exploratory work of the MIT Libraries Data Initiatives Group." ALA/ACRL June 2007, poster session on non-text resources and Institutional Repositories.

Duke, Darcy. Moderator, Outreach session. ASEE / ELD annual meeting, June 2007.

Hartman, Stephanie, and Angela Locknar, with assistance of Alex Caracuzzo, "Supporting the business information needs of engineering students: An MIT perspective," ASEE / ELD Annual Meeting, June 2007.

Hartman, Stephanie. Moderator, Business and Entrepreneurial Information for Engineers, ASEE / ELD annual meeting, June 2007.

Kajosalo, Erja. "Bioinformatics: An instructional opportunity for academic science and engineering libraries," presentation at the 232nd ACS National Meeting in San Francisco, CA, September 10-14, 2006.

Locknar, Angela. "Becoming a savvy scholar: Experiments in information literacy." MIT Libraries Visiting Committee, March 21, 2007.

Locknar, Angela. "Experiments in information literacy: The Libraries d'Arbeloff Project." MIT Libraries All Staff Meetings, May 30, 31, 2007.

Locknar, Angela. "Becoming a savvy scholar: Integrating information literacy into a core chemistry course." New England Faculty Development Consortium Spring Conference, June 1, 2007. Audience: faculty and librarians from campuses around New England.

Locknar, Angela. "Reflections on 3.093: Information Exploration, Becoming a Savvy Scholar." MIT Libraries RISG Spring Seminar, June 5, 2007.

Locknar, Angela and Stephanie Hartman, with assistance of Alex Caracuzzo, "Supporting the business information needs of engineering students: An MIT perspective," ASEE / ELD Annual Meeting, June 2007.

Noga, Michael. "New journals: new sources of research discoveries in geoscience?" presented at the 2006 Annual Meeting of GSA (to be published in the Geoscience Information Society Proceedings in 2007 or 2008).

Rogers, Louisa, and Howard Silver. "Inquiry-based outreach: Library research project on bioscience leads to innovative collaborations", Louisa W. Rogers and Howard S. Silver, Poster session, Biomedical and Life Sciences Division, SLA, Denver, June 3, 2007. Presented by Louisa Rogers.

Silver, Howard. "Use of collaborative spaces in an academic library," Simmons, GSLIS Research Colloquium, March 27, 2007.

Sherratt, Chris. "Data from the other side of the world, but...What shall we do with the paper?" Presentation on historical print climate publications at ASLI, the Atmospheric Librarians International Conference (in conjunction with AMS meeting).

Stout, Amy. "The data dilemma," presentation at ASEE / ELD annual meeting, June 2007.

5. Selected service to professional associations:

Dorschner, Eileen. Member /SLA Engineering Division and Aerospace Section; Chair SLA/Aerospace Mandell Award Committee; Member American Institute for Aeronautics and Astronautics (AIAA), Member Publishing Subcommittee of AIAA.

Gold, Anna. Member, ARL E-Science Task Force (January 2007 -)

Kajosalo, Erja. Chair, American Chemical Society Chemical Information Division, 2007. CINF Strategic Planning Committee, member 2007; CINF Finance Committee, member 2006-2008; CINF Herman Skolnik Award Selection Committee, member 2006-2008; CINF Fundraising Committee, member 2006-2008 8th Quadrennial Tri Society Symposium / 3rd DASER Summit, 11/3/2006, Program Committee member, 2006.

Locknar, Angela. Elected co-chair-elect of NELIG for 2007/08 and will be co-chair for 2008/09.

Noga, Michael. Continuing member of the GSA Committee on Publications and the Librarian Advisory Group of the AGU Publications Committee. He also served on the librarian advisory group for GeoScienceWorld.

Rogers, Louisa. Board, Biomedical and Life Sciences Division (DBIO), SLA, 2004 - to continue another year. Liaison to ASIST for DBIO, SLA, 2004 - to continue for another year.

6. Selected Institute service:

Daigle, Diana. Working Group on Support Staff Issues, co-chair, Recycling Committee.

7. MIT Libraries – Recognition and participation in major special projects:

Darcy Duke – Infinite Mile team award
 Chris Sherratt - Infinite Mile individual award
 Mat Willmott, Infinite Mile individual award

Energy information needs analysis group - Chris Sherratt, Chair, Erja Kajosalo
 Project SIMPLR – Tracy Gabridge, Darcy Duke
 Public Access to MIT Libraries, Task Force – Anna Gold, Chair; Howard Silver
 R2 Implementation Team – Maria Rodrigues
 URSA – Howard Silver