

Dartmouth Biomedical Libraries Annual Report, FY2005 (July 2004 - June 2005)

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Introduction

The mission of the Biomedical Libraries is to provide health and life sciences information resources and services that advance research and scholarship, education, and patient-care activities of Dartmouth Medical School, the Dartmouth-Hitchcock Medical Center (DHMC), and Dartmouth College.

The Biomedical Libraries' core priorities are

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

The Libraries' accomplishments and successes for FY2005 are highlighted in this report. See Appendices A-D for FY2005 statistical, financial, and other information.

Budget

The total FY2005 budget for the Biomedical Libraries was \$3,231,998; up from \$3,186,005 in FY2004. Support for the Biomedical Libraries' information resources is shared between the Medical School and Arts and Sciences (through the Dartmouth College Library). See Appendix B for more information.

Personnel

See Appendix C for the Libraries' organization chart as of July 1, 2005. See <http://www.dartmouth.edu/~biomed/about.html#Chart.pdf> for a current organization chart.

The following personnel changes occurred in FY2005:

Administration

- Jan Perkins retired as Administrative Assistant, November 2004
- Erin White began as Administrative Assistant, November 2004
- Peggy Sleeth, Associate Director/Information Resources, served as Acting Co-Head of Acquisitions for the Dartmouth College Library, October 2004 through July 2005

Dana Access Services

- Matt Hartung resigned as Library Services Assistant, September 2004
- Zenaida Blanchard began as Library Services Assistant, November 2004
- Zenaida Blanchard resigned, April 2005
- David Sandberg began as Library Services Assistant, June 2005

Document Delivery

- Jessica Joyal transferred to Matthews-Fuller, January 2005
- Chris Curtis began as Document Delivery Assistant, January 2005

Information and Education Services

- Fred Pond resigned as Clinical Nursing Librarian, September 2004
- Cindy Bird resigned as Information and Education Services Librarian (0.2 FTE), December 2004
- A search to fill the vacant Education Coordinator/Information and Education Services Librarian position ended without a hire

Matthews-Fuller Access Services

- Cheryl Wheelock was promoted to Library Operations Supervisor, July 2004
- Ed Leavitt resigned as Library Services Assistant, August 2004
- Susanne Underdahl resigned as Library Services Assistant, August 2004
- Valerie Moore resigned as Library Services Assistant, September 2004
- Theresa Ciambra began as Library Services Assistant, October 2004
- David Sandberg began as Library Services Assistant, November 2004
- Jessica Joyal began as Library Services Assistant, January 2005
- David Sandberg transferred to Dana, June 2005

Collections and Information Resources

Support for information resources accounted for 44% of the Biomedical Libraries' total budget. Journal prices continued rise steeply and to challenge our ability to maintain current subscriptions. The Medical School increased the budget in support of information resources for FY2005 to ameliorate the challenge. As a result, we were able to add a journal package with 40 new titles. While no titles were cancelled outright, over 50 were transitioned from print-plus-digital to digital-only. The share of the information resources budget devoted to the purchase of books continued to decline; book funds have been shifted to journals in order to maintain subscriptions.

Financial pressures at DHMC led to a cut in the Nursing Library Program. The Clinical Nursing Librarian position was eliminated in September 2004. (Fred Pond had previously announced his resignation and his position was not re-filled.) The Department of Nursing continued to fund the Libraries' purchase of books, journals, and other information resources of interest to nurses, and a portion of a support staff position.

As indicated above, FY2005 saw a continuation of a transition to digital as the primary format for journals. Much of this transition has been driven by budget pressures and the consequent need to shift from print-plus-digital to digital-only, although licensing digital formats can often be more expensive than print subscriptions. Of the 1,133 journals for which the Biomedical Libraries had current subscriptions, 894 (79%) had at least some availability online and 583 (51%) were digital-only. In addition to our own subscriptions, Biomedical Libraries clients have access to thousands of other titles through the Dartmouth College Library's licensing of several large packages of journals. 3,335 ejournals in the health and life sciences were linked to from the Biomedical Libraries Web, an increase of 9% from FY2004.

The number of items checked out of the Libraries (primarily books) remained steady at 17,588. However, there were steep declines in our counts of print course reserves use and in-library journal use. Fewer print issues of journals are used in the libraries because of ready online access. Electronic reserves and Blackboard course sites have reduced the number of items physically on reserve at the library.

The 25 most-used biomedical journals at Dartmouth, counting both print and online use, were:

- New England Journal of Medicine
- Journal of Biological Chemistry
- Science
- Nature
- Proceedings of the National Academy of Sciences
- Journal of Immunology
- Circulation
- Cell
- Blood
- Journal of Neuroscience
- Journal of Cell Biology
- Lancet
- Journal of Chromatography A/B
- Pediatrics
- American Journal of Physiology
- Journal of Experimental Medicine
- Cancer Research
- Genes and Development
- Journal of Clinical Oncology
- Annals of Internal Medicine
- Journal of Applied Physiology
- Molecular Biology of the Cell / ASCB
- Molecular Microbiology
- Current Biology : CB

Appendix D provides usage statistics for many of our prominent digital information resources. UpToDate, a clinical information resource, had another surge in growth, perhaps due to it being more widely available as the Clinic contributed the cost of adding access for several sites outside of Lebanon. Ovid MEDLINE, while still very popular, has declined in usage as more Biomedical Libraries' clients are encouraged to search PubMed.

Document delivery services continued to grow. 18,051 copies of articles from journals in the Biomedical Libraries' collections were provided to clients, an increase of 5%. Another 11,417 items were obtained from other institutions for our clientele, about the same as the previous year. We also supplied 5,128 items to other libraries, an increase of 7%.

DartDoc, a new system for clients to request copies of articles and other library material, was successfully launched at Dartmouth in August 2004. In addition to streamlining the staff side of fulfilling requests, DartDoc offers clients an easy-to-use interface for requesting, tracking, and electronically receiving material from the Dartmouth Library collections and from other institutions.

Use of copiers continues to plummet as more and more journals and course materials are made available in digital format and printed out in the library and in offices. Use of the Libraries' public printers continues to rise dramatically.

Use of the Libraries

The Libraries counted 233,608 people through the doors in FY2005. This was a 15% decrease from FY2004, but we changed our counting method at the beginning of the year and so statistics for previous years are not comparable.

Many clients now visit the Libraries virtually, not physically. There were 2,126,294 hits on the Biomedical Libraries Web in FY2005, or 5,825 per day.

We revised our method of tracking requests for help at our various service desks. Prorated from February through June figures, over 10,000 clients were helped in person, by phone, or by email in FY2005.

Publications and Documents

We prepared a report for the Medical School administration, "The State of Information Resources at the Dartmouth Biomedical Libraries," which outlines the budget pressures surrounding information resources. It led to large increases in the subvention for information resources.

Peggy Sleeth and Bill Garrity were interviewed for an article in the Winter 2004 issue of *Dartmouth Medicine* which discussed the issues in scholarly publishing - see "Paper Cuts" at <http://dartmed.dartmouth.edu/winter04/>.

A document was developed which outlined the Libraries future space needs, which set the stage for subsequent renovations of the Dana Biomedical Library.

Education

The Libraries provided a total of 213 educational activities, including orientations, workshops, grand rounds, and other presentations. Total attendance for all programs was 2,348; participants included medical students, undergraduate and graduate students in the life sciences, residents, faculty, physicians, nursing personnel, and allied health professionals.

The ninth annual October Conference was held on October 7, 2005. Another sell-out crowd of 120 learned about "Collaborations on Campus: Opportunities for New Partnerships." See http://www.dartmouth.edu/~biomed/services.html/october_conf.shtml.

The Library Grand Rounds series continued to be highly successful. Programs in FY2005 included:

- [Google and Beyond: New Ways to Search the Web](#)
May 5, 2005
- [Finding Evidence-Based Answers to Clinical Questions Quickly and Effectively](#)
February 2, 2005
- [Palliative and End-of-Life Care Information Resources: A Case-Based Presentation](#)
December 16, 2004
- [Tracking References and Citing Sources: An Overview of Managing References with EndNote and RefWorks](#)
September 30, 2004

The Biomedical Libraries offered a "book club" as a DMS elective in Fall 2004. The objective of this elective was to give DMS Years I and II students the opportunity to explore medical issues through literature in a relaxed and comfortable environment, bringing together students and librarians outside the usual "library-user" relationship. The focus of the first book club was coping with chronic illness.

In addition to orientations for DMS Years I and II students, Information and Education Services Librarians continued to provide support to the DMS curriculum, specifically, with assignments in On Doctoring (DMS Year I) and SBM/Hematology (DMS Year II), and presentations in the Interdisciplinary Clinical Exercises (DMS Year III).

Librarians supported the undergraduate life sciences curriculum by working with faculty and students in several biology, ecology, and health psychology classes, including sessions on how to find and apply genetics information resources, how to use Web of Science, how to use PubMed, and how to search the primary literature in ecology.

There was an increased emphasis on teaching evidence-based medicine across the Medical School and DHMC, and in particular to Psychiatry residents.

Various classes and presentations were made to students in the Center for Evaluative Clinical Sciences, both each of the Masters of Science and Public Health and doctoral levels.

The Biomedical Libraries were named one of the Medical School's strengths in the self-study reports for Dartmouth's 2005 accreditation by the Liaison Committee on Medical Education (LCME). According to the executive summary, "Our library colleagues have created effective, responsive and supportive interactions with our faculty and students." The students' report calls the Libraries "... truly gems at DMS, recognized by the student body as a very student-friendly department." The Libraries had representation on various working groups preparing for the accreditation – subcommittee for Section II: Educational Program Leading to the MD Degree, subcommittee for Section V: Educational Resources, and the overall LCME steering committee.

Grants and Contracts

The Libraries are participating in a grant funded by the National Library of Medicine. The grant, "Creating Practice Systems to Deliver Online Resources" is for the period of

December 1, 2003, through November 30, 2006, in the amount of \$450,000. The purpose of the grant is to develop self-sustaining practice-based systems that will improve access to and delivery of online health information to patients and health care providers, potentially resulting in better health and health care in rural and other underserved areas in Northern New England. The Office of Community-Based Education and Research at DMS, the Biomedical Libraries, and the Northern New Hampshire Area Health Education Center are working collaboratively with 24 recruited community primary care practices (72 practice members total) located in rural and underserved regions in New Hampshire and Vermont.

The Libraries were awarded \$5,000 by the DHMC Auxiliary Gifts Committee to build a comprehensive collection of information and educational resources in the area of addictions and substance abuse in support DHMC's commitment to this serious health care issue.

Library Services to Dartmouth-Hitchcock Alliance Members

In FY2005 the Libraries continued to offer contracted services to the following Dartmouth-Hitchcock Alliance (DHA) members: Central Vermont Medical Center, Cooley Dickinson Hospital, Gifford Hospital, and New London Hospital (became an official member of the DHA in October 2005). The Libraries began contracting services to Weeks Medical Center in October 2004.

Exhibits

The Matthews-Fuller Library hosted exhibits from local artists. The library also offered its space to the DHMC Arts Program for quarterly artist receptions.

Exhibits housed in Dana Library included those on public health, bird migration, and old growth forests, plus annual orientation exhibits to guide new students.

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A: FY2005 General Service Statistics

	2000/2001 FY2001	2001/2002 FY2002	2002/2003 FY2003	2003/2004 FY2004	2004/2005 FY2005	% change FY2004-FY2005
GATE COUNT*	253,613	265,579	271,327	274,435	233,608	-15%
HITS ON BIOMEDICAL LIBRARIES WEB						
From Dartmouth Domain				803,906	725,515	-10%
From DHMC Domain				781,715	831,230	6%
All Others				452,878	569,549	26%
Total				2,038,499	2,126,294	4%
TOTAL BUDGET				\$3,186,005	\$3,231,998	1%
INFORMATION RESOURCES						
Expenditures (all sources)						
Monographs	\$55,454	\$74,923	\$68,214	\$60,852	\$48,035	-21%
Serials	\$1,079,848	\$1,169,729	\$1,312,454	\$1,211,275	\$1,314,764	9%
Binding	\$35,475	\$32,441	\$31,043	\$28,574	\$26,137	-9%
Total	\$1,170,777	\$1,277,093	\$1,411,711	\$1,300,701	\$1,388,936	7%
Holdings						
Books	99,535	96,396	97,295	98,349	96,498	-2%
Serial Volumes	152,821	156,289	158,382	162,395	164,591	1%
Microforms	13,326	13,326	13,326	13,059	13,059	0%
Other Formats	27,701	27,938	28,185	28,391	28,620	1%
Total Collection Size	293,383	293,949	297,188	302,194	302,768	0%
Subscriptions						
Ejournals linked on BL Web, 6/30	2,501	2,584	2,477	2,013	1,923	-4%
	1,572	2,059	2,681	3,051	3,335	9%

	2000/2001 FY2001	2001/2002 FY2002	2002/2003 FY2003	2003/2004 FY2004	2004/2005 FY2005	% change FY2004-FY2005
CIRCULATION	81,377	64,697	55,408	43,833	31,239	-29%
External	18,435	17,766	17,555	17,936	17,588	-2%
Reserves	8,740	7,734	7,832	5,063	3,855	-24%
In-house	54,202	39,197	30,021	20,586	9,461	-54%
 INFORMATION CONTACTS**						
Equipment					1,296	N/A
Directional					2,789	N/A
Basic Reference					5,201	N/A
In-depth Reference					1,250	N/A
Total					10,536	N/A
 EDUCATIONAL SERVICES						
Programs	173	172	199	211	213	1%
Attendance	1,855	2,390	2,453	2,959	2,348	-21%
Contact Hours	221	200	236	255	236	-7%
 INTERLIBRARY LENDING/BORROWING						
Items Lent	5,931	5,518	5,246	4,773	5,128	7%
Photocopies	5,341	5,043	4,879	4,452	4,674	5%
Books	581	475	367	287	454	58%
Other	9	0	0	34	0	-100%
Requests Received	7,947	7,305	5,630	5,984	6,633	11%
 Items Borrowed	8,061	10,915	11,948	11,509	11,417	-1%
Photocopies	7,624	10,435	11,437	10,928	10,537	-4%
Books	430	480	511	451	859	90%
Other	7	0	0	29	21	-28%

	2000/2001	2001/2002	2002/2003	2003/2004	2004/2005	% change
	FY2001	FY2002	FY2003	FY2004	FY2005	FY2004-FY2005
PHOTOCOPY SERVICES (articles)						
Document Delivery Service/Biomed Collections	10,620	14,403	17,295	17,151	18,051	5%
Document Delivery Service/From Other DCL	644	1,041	878	574	628	9%
Fee-based Service	449	837	717	835	758	-9%
For Contracting DHA Institutions	447	713	575	352	385	9%
For Russian Libraries	297	593	480	729	586	-20%
Total Articles	12,457	17,587	19,945	19,641	20,408	4%
PHOTOCOPYING (pages)						
Public Copiers	451,156	342,735	275,036	173,120	101,773	-41%
Staff Copiers	264,607	266,519	230,877	170,871	123,403	-28%
Total	715,763	609,254	505,913	343,991	225,176	-35%
LASER PRINTING (pages)	537,097	624,436	786,794	832,960	850,936	2%

* Pre-FY05 based on prorating counts made during 12 "statistics weeks" per year; FY05 is actual count for entire year.

** Projected from counts for February 2005-June 2005.

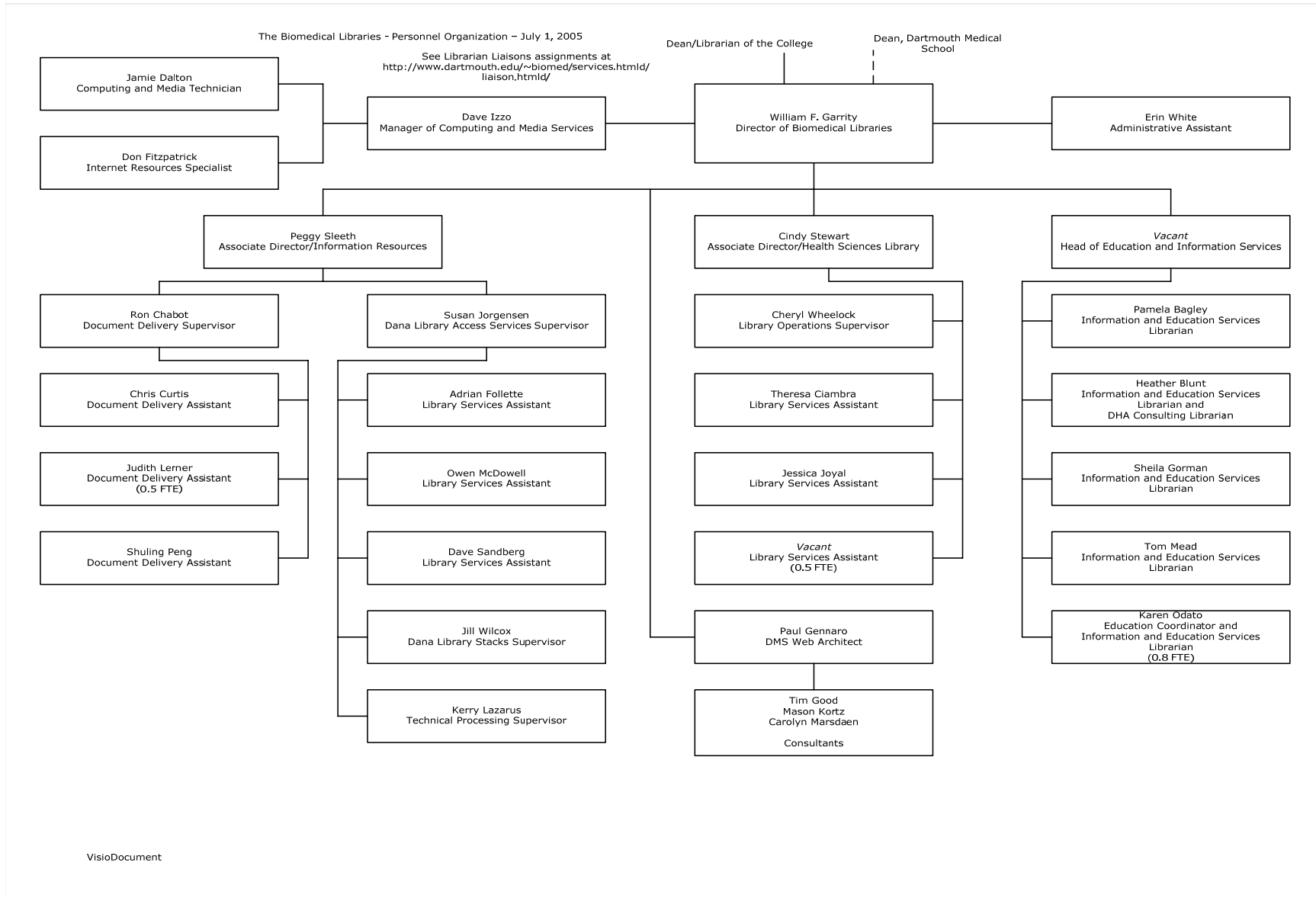
B: FY2005 Budget

	Medical School	Arts and Sciences (College Library)	DMS as % of total	Total	
Sources	2,610,670	621,328	81%	3,231,998	
Subvention	2,328,065	621,328	79%	2,949,393	
General revenues	207,605		100%	207,605	
Endowment					
Reserves	75,000		100%	75,000	
					Distribution of uses
Uses	2,610,670	621,328	81%	3,231,998	
Compensation	1,407,815	153,822	90%	1,561,637	48%
Information	967,479	466,506	67%	1,433,985	44%
Other (operating)	235,376	1,000	100%	236,376	7%

Not shown:

- * DMS--facilities' occupancy costs; "library" component of indirects passed to A&S
- * A&S--library technical processing (e.g., cataloging); common information packages (e.g., Lexis-Nexis); some journal packages

C: July 1, 2005, Organization Chart



D: Digital Resources Usage

	2000/2001 FY2001	2001/2002 FY2002	2002/2003 FY2003	2003/2004 FY2004	2004/2005 FY2005
MD Consult					
Total User Sessions	17,141	23,773	21,735	20,329	18,000
% change from previous year		38.7%	-8.6%	-6.5%	-11.5%
UpToDate					
Topic Reviews Accessed			73,928	103,958	141,291
% change from previous year				40.6%	35.9%
Web of Science					
Sub-sessions				24,220	27,960
% change from previous year					15.4%
Cochrane Database of Systematic Reviews					
Full-text retrievals					913
PubMed (MEDLINE)					
Accesses using link on Biomed Libs Web*				43,300	71,369
% change from previous year					64.8%
* does not count accesses through other routes such as Google, direct, or referrals.					
Ovid					
Login Page Hits	61,344	78,458	75,866	71,956	60,983
% change from previous year		27.9%	-3.3%	-5.2%	-15.2%
Total Search Sessions	124,704	144,350	147,833	141,079	133,359
% change from previous year		15.8%	2.4%	-4.6%	-5.5%
MEDLINE	97,422	100,405	88,919	84,717	64,939
% change from previous year		3.1%	-11.4%	-4.7%	-23.3%
CINAHL	5,490	6,625	4,645	4,773	3,179
% change from previous year		20.7%	-29.9%	2.8%	-33.4%
Journals@Ovid	33,654	38,743	54,267	51,958	65,658
% change from previous year		15.1%	40.1%	-4.3%	26.4%
Major Journal Packages - Full-text Article Downloads					
	2003	2004	%Change		
Blackwell	20,500	31,752	55%		
Elsevier	112,901	176,648	56%		
HighWire		217,937			
Nature	38,848	43,805	13%		
Ovid	51,958	65,658	26%		
Oxford Univ Press		16,897			
Springer/Kluwer		25,987			
Wiley	30,851	22,034	-29%		
TOTAL	255,058	600,718	136%		