

**CHEMISTRY LIBRARY  
ANNUAL REPORT  
July 1, 2015– June 30, 2016**

*Prepared by: Mary C. Schlembach  
Kortney K. Rupp*

**1. Major Activities and Accomplishments:**

The Chemistry Library provides services to departments, research labs, programs and schools affiliated with the School of Chemical Sciences (Chemistry and Biomolecular and Chemical Engineering). The School of Integrated Life Sciences and Molecular and Cell Biology also utilize the Chemistry Library due to their proximity from Burrill Hall, Morrow Hall, and the UI campus of the College of Medicine due to the closure of the Biology Library.

The Chemistry and Physical Sciences librarian provides collection services for the following departments based on number of faculty, graduate and undergraduate students, and ICR generated income to campus:

<b>Department</b>	<b>Tenure System Faculty</b>	<b>Graduate</b>	<b>Undergrads</b>	<b>ICR Income</b>
Astronomy	11	27	73	\$654,000
Atmospheric Sciences	13	46	65	\$1,239,000
Chemistry	32	316	601	\$7,174,000
Biomolecular & Chemical Engineering	17	87	681	\$1,469,000
Geology	14	36	76	\$554,000
Physics	57	286	226	\$4,997,000
<b>Total (FY16)</b>	<b>144</b>	<b>798</b>	<b>1722</b>	<b>\$16,087,000</b>
<b>Total (FY15)</b>	<b>136</b>	<b>764</b>	<b>1707</b>	<b>\$16,864,000</b>

The University of Illinois continues to be the new venue for the **International Symposium on Molecular Spectroscopy (ISMS)** after 69 years at Ohio State University. ISMS attracts a diverse group of over 500 international researchers in physics, chemistry, electrical engineering and astronomy. The third UI-based symposium took place in mid-June 2016. The Chemistry Library was an integral part by working closely with the conference planners, providing space and meeting facilities as well as computer equipment for symposium attendees. This year, the

Chemistry Library again coordinated with IDEALS staff to upload all ISMS presentations into an ISMS community. Awards from the previous year ISMS are currently displayed in the chemistry library. The Chemistry Librarian using chemistry library endowment monies, **uploaded the ISMS IDEALS handles as a publisher through CrossRef and DOIs were established.** Colleagues in other science fields, research data services have noted that these types of **research and faculty interactions are important to the future of library services.**

The Chemistry and Physical Sciences librarian continues to coordinate all **materials selected** for the **Grainger Engineering Library.** This has enabled joint purchases that help interdisciplinary research such as materials science, chemistry, physics, and chemical and mechanical engineering. This is especially important as the Chemistry and Engineering Librarians are involved with the **International Institute for Carbon Neutral Energy Research (I2CNER)** based at **Kyushu University in Fukuoka, Japan.**

The chemistry library has also become an ideal space for departmental events. This past year the library hosted **three retirement receptions** for the School of Chemical Sciences employees. On April 1<sup>st</sup>, the 2015 Aldrich Symposium featured a presentation from the head of the Lawrence Berkeley National Laboratory, Dr. Paul A. Alivisatos, a reception followed.

The **Physical Sciences and Engineering Division** now **coordinates graduate assistants** and other operational necessities in a cooperative, collegial, efficient approach for training and project development. PSED graduate students now spend time doing specific projects in the **Mathematics and Chemistry** Libraries in addition to Grainger. This benefits graduate students in job searches as they have learned about more disciplines and have a wider variety of library management experience.

The Chemistry Library again showed even more increasing numbers of patrons for the year. User comments from this past Ithaka survey indicated that faculty and students from **School of Life Sciences** considered Chemistry their primary library. Since the closure of the Geology and Biology Libraries, the Chemistry Library is the one remaining science Library on the Main Quad.

The chemistry library has also begun proctoring exams for those taking MOOC courses through the University of Illinois at Chicago.

## **2. Review of Major Challenges:**

The most significant challenge is that the Chemistry Library is now managed by the **subject specialist for astronomy, atmospheric studies, chemistry, geology, and physics.** Since four of these collections are housed in the Grainger Engineering Library, it is often difficult to staff the Chemistry Library with **one staff member.** Fortunately the Chemistry Library's one staff member is reliable, refers questions accordingly, supervises students well and is rarely absent or takes vacation time.

Previously the Chemistry Library operations had a librarian whose responsibility focused on singularly on Chemistry and Chemical Engineering. That operational function has changed as geology, physics and astronomy subjects were merged into the Chemistry and Physical Sciences Librarian position. The Chemistry Library has very **limited staff** even during **regular Monday through Friday** business hours.

Not having a dedicated Chemistry Library graduate assistant impedes this process as PSED graduate assistants are typically assigned a variety of projects. Additionally the printing usage in chemistry is the one of the highest printing locations on campus coming in behind the undergraduate and engineering libraries as a result a new color printer was acquired.

### **3. Significant Changes to unit operations, personnel, service profile, or service programs:**

Out of a concern that if **the one staff employee** was out sick, children are ill, or on vacation, Grainger Engineering Library staff members are trained at the Chemistry Library to cover **any staff shortages**. However, in this event it would be burdensome to Grainger's operations.

The modular collaboration room continues to have new usages. Noyes Laboratory facilities staff have regular meetings in addition to **Career Services** student interviews, and TA office hours.

We expect the Chemistry Library Conference room usage to also grow as the large oak library table was replaced with modular movable tables like those in the Mortensen center. The conference room is being utilized for more Ph.D. defenses, faculty meetings and faculty interviews, and professional public relations photo sessions.

### **4. Service to Library-wide programs:**

#### a. Information services:

- More interdisciplinary purchases between chemical and physical science
- LibGuides Chemistry and Biomolecular and Chemical Engineering as part of all the LibGuides created by the Physical Sciences and Engineering reference hub.

#### b. Instructional services:

- The Chemistry & Physical Sciences Librarian coordinates instruction for library graduate assistants in chemistry, geology, astronomy, physics, and atmospheric sciences since most of the collections are housed in the Grainger Engineering Library and is responsible for collection development, faculty liaison and training in these subject

areas. As a librarian and main contact of the Physical Sciences and Engineering Division with many years of experience in all departments in the College of Engineering, the Chemistry Library is often forwarded reference and access questions for all these subject areas. This is now being reflected in DeskTracker statistics.

- The **Chemistry Learning Center** is utilizing space in both the Chemistry Library conference room and group study room for teaching assistant and instructor review sessions.
  - Parkland College organic chemistry students to the Chemistry Library to work on an assignment that involved SciFinder Scholar, Web of Science, and other relevant chemistry resource tools.
- c. Scholarly communications:
- International Symposium on Molecular Spectroscopy abstract load into IDEALS and CrossRef DOIs (discussed above)
  - The Chemistry Library is working with the new Director of Research Data Services to help management research data in chemistry, biochemistry, molecular and chemical engineering. Meetings were arranged with department heads, research lab directors, and various graduate student seminar program coordinators.
  - Campus contact point for **open access vouchers** for articles published in Royal Society of Chemistry journals. Faculty from Civil Engineering, Chemistry, and Materials Science have utilized RSC vouchers to make their articles open access (this will be the final year for RSC vouchers).
  - The Chemistry Library is working with chemistry-related research groups to provide spaces and equipment for graduate research poster sessions. Recommended by Chemistry Library faculty advisors and department heads.
- d. Assessment:
- The Chemistry & Physical Sciences librarian is working closely with the Chemistry Library Faculty advisory committee for implementing new facilities and services.
- e. Collection management:
- Chemistry librarian, with Grainger librarians and staff, supervised the transfer of 1500 books into the Oak Street storage facility to make space for the new counter.
- f. Digital content creation:
- Oversaw the digitization of Master's theses and Ph.D. dissertations for the Coordinated Science Lab and ingested into IDEALS.

This is the 2<sup>nd</sup> College of Engineering department (after Physics) that has had their Master's theses digitized for IDEALS.

#### 5. Review Progress on FY16 goals:

- Staffing constraints. Increase student wage budget or library specialist position that would work evenings.
- Chemistry Library newsletter for faculty and graduate assistants. Open access issues, data management, library database tips, and new acquisitions. **Completed but ongoing.**
- Bioinformatics Services group of life and physical science library faculty. **Ongoing with new engineering-based medical school.** Chemistry & Physical Sciences Librarian working with group to implement more medical sciences collections and services.
- Continue to integrate engineering and physical science collection development and decisions. **Ongoing.**
- Chemistry Library web page development. New resources highlighted. **Ongoing due to migration to new web platform.**
- Review Chemistry Library reserves and reference collection. **Completed**
- Video conferencing equipment replaced in conference room. **Completed**

#### 6. FY17 Goals:

- Staffing constraints. Increase student wage budget or library specialist position that would work evenings.
- Chemistry Library newsletter for faculty and graduate assistants.
- Bioinformatics Services group of life and physical science library faculty.
- Continue to integrate engineering and physical science collection development and decisions.
- Chemistry Library web page revamped.
- For the next ISMS, the chemistry library will be hosting vendors and registration for symposium attendees.
- New services will be implemented to accommodate the new engineering based College of Medicine due to campus proximity.

7. Number of GAs: 0

8. GA funding: N/A

9. Major responsibilities of GA: N/A

### Statistical Profile

#### 1. User Seating

- a. at tables: 54

- b. at carrels: 10
- c. at public workstations: 14
- d. at index tables: n/a
- e. in group study rooms: 16
- f. informal: 16
- g. conference room: 35

**2. Number of hours open to the public:**

- Summer II 2015: **40 hours per week**
- Fall 2015: **72.5 hours per week**
- Spring 2016: **72.5 hours per week**
- Summer I 2016: **40 hours per week**

**2. Personnel**

- Mary C. Schlembach, Faculty, **1.0**
- Anna Gerard, Civil Service, **1.0**
- Claire Gianacacos , Graduate Hourly, **.50 Endowment funds**
- FY15 Student Asst wage budget: \$11,633.00 and Student Assistant FTE **2.5**

**3. User Services**

- Gate Count:
  - Fall 2015: 2681
  - Spring 2016: 2172
  - **Extrapolated Annual: 77,640**
- Circulation (from Voyager circulation reports)
  - Initial and renewal: **5,087**
  - Discharges: **3356**
- Reference interactions:
  - Desk Tracker (staff terminal): **1520**
- Presentations (from the Instructional Statistics database)
  - Number of presentations to groups: **5**
  - Number of participants in group presentations: **154**