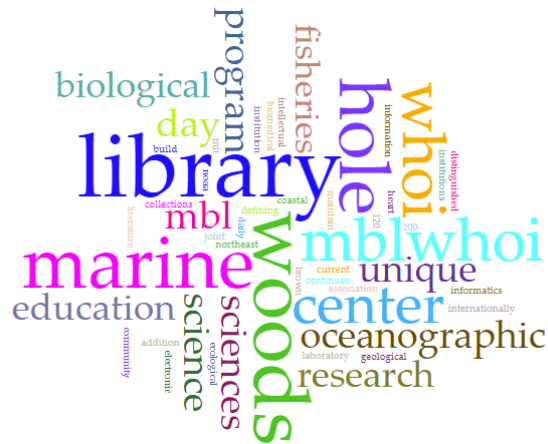




# **MBLWHOI Library Report**

## **January 1, 2017 – December 31, 2017**



### **From the Co-Directors:**

In 2017 the Marine Biological Laboratory (MBL) and the Woods Hole Oceanographic Institution (WHOI) renewed their Memorandum of Understanding (MOU) for the shared science library. The MBL Library was founded in 1888 and since the WHOI founding in 1930, the institutions have collaborated at various levels over many years to provide library services. For the last several decades we have operated as an integrated joint library staff. The MBLWHOI Library also provides library services to the USGS Woods Hole Coastal and Marine Science Center, the Sea Education Association, the Woods Hole Research Center, and the NOAA Northeast Fisheries Science Center. Considering MBL's affiliation with the University of Chicago, there had been a period of uncertainty as to the future path of the relationship. The signing of the MOU in 2017 confirmed the joint commitment of the institutions, and enables the Library to move forward with reinvigorated energy.

These are exciting and challenging times for academic libraries. The Library continues to find innovative ways to serve the needs of the institutions, given the constraints of the funding climate and the ever-increasing costs of traditional scientific publishing. Projects such as Vivo, GeoLink and BHL widen the scope and service of the library.

The staff consistently delivers the highest levels of customer service in support of scientific research in Woods Hole.

- Lisa Raymond and Jen Walton

- **Library Staff**

Lisa Raymond, Co-Director MBLWHOI Library, Director of Library Services at WHOI

Jennifer Walton, Co-Director MBLWHOI Library, Director of Library Services at MBL

Kirill Batyuk, Systems/Metadata Librarian

Ann Devenish, Publication Services

John Furfey, Senior Automation Services Officer

Audrey Mickle, Data Librarian

Matthew Person, Tech Services Coordinator

Dave Sherman, WHOI Archivist

Nancy Stafford, Resource Sharing/Cataloging Librarian

- **Library Volunteers at MBL Lillie and WHOI DLA**

Digital Herbarium Project (at MBL and WHOI): Gale Clark, Joe deVeer, Tom Gregg, Carol Knox, Lucy Lester, Madison Meister, Pam Polloni, Arlene Rogers, Jan Salick, Donald Schall, Judy Stetson, and Jacqueline Webster.

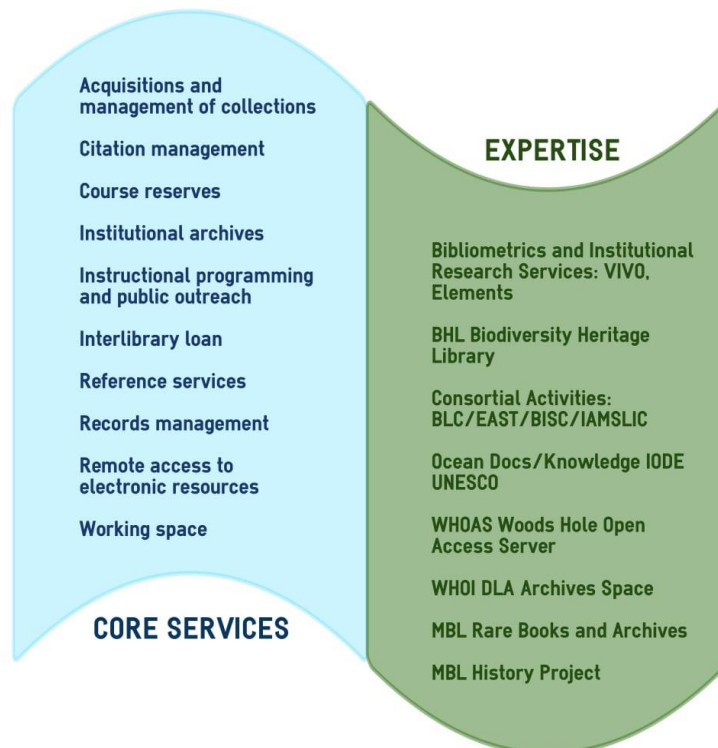
WHOI Data Library and Archives (DLA): Werner Deuser, Ralph Montilio, Wendell Edwards, Hartley Hoskins and Laura Catanach.

## ● Library Activities and Services

Library activities and services center around the missions of the institutions served. Built upon a foundation of “Core” services, the Library has developed and continues to develop additional programs and projects to meet the growing needs of its users. These are listed below:

### “Core” Services

- Acquisitions and management of collections, including monographs, serials and databases
- Citation management
- Course reserves
- Institutional archives
- Instructional programming and public outreach
- Interlibrary loan
- Reference services
- Records management
- Remote access to electronic resources
- Working space



- **Library Instruction and Outreach**

Library staff gave lectures, tours, orientations and provided on request library instruction to Woods Hole scientific community members throughout the year. This programming included general introductions to the physical and digital library, classes focusing on specific databases, one-on-one instruction, and informational sessions on accepted publishing and data management standards, and standards required by different grant distribution bodies.

The rare books collections continue to be used by students and researchers, including students from Sea Education Association (SEA), the MBL's Semester in Environmental Science (SES), and the Woods Hole Partnership in education program (PEP). Tours were conducted during MBL and WHOI summer courses / programs student orientations, seminars, courses, donor visits, and for other special MBL and WHOI guests.

Of note in July 2017 was the MBL Rare Books and Japan/MBL history tour given to the



Consul General of Japan in New England, Rokuichiro Michii while he toured both MBL and WHOI.

(l-r Sebastien Laye, Consul General of Japan Rokuichiro Michii, Matt Person, Jen Walton)

In 2017, our outreach activities mainly focused on the bibliometric projects using Elements and Vivo. John Furfey and members of the Library staff met with scientists, administrators and other staff at MBL and WHOI to promote and provide instruction on these services for the Woods Hole scientific community.

- **Memorandum of Understanding**

In 2017, MBL and WHOI signed a revised MBLWHOI Library MOU formalizing and renewing the bond between the institutions and ensuring that the Library will continue to serve all the institutions in Woods Hole.



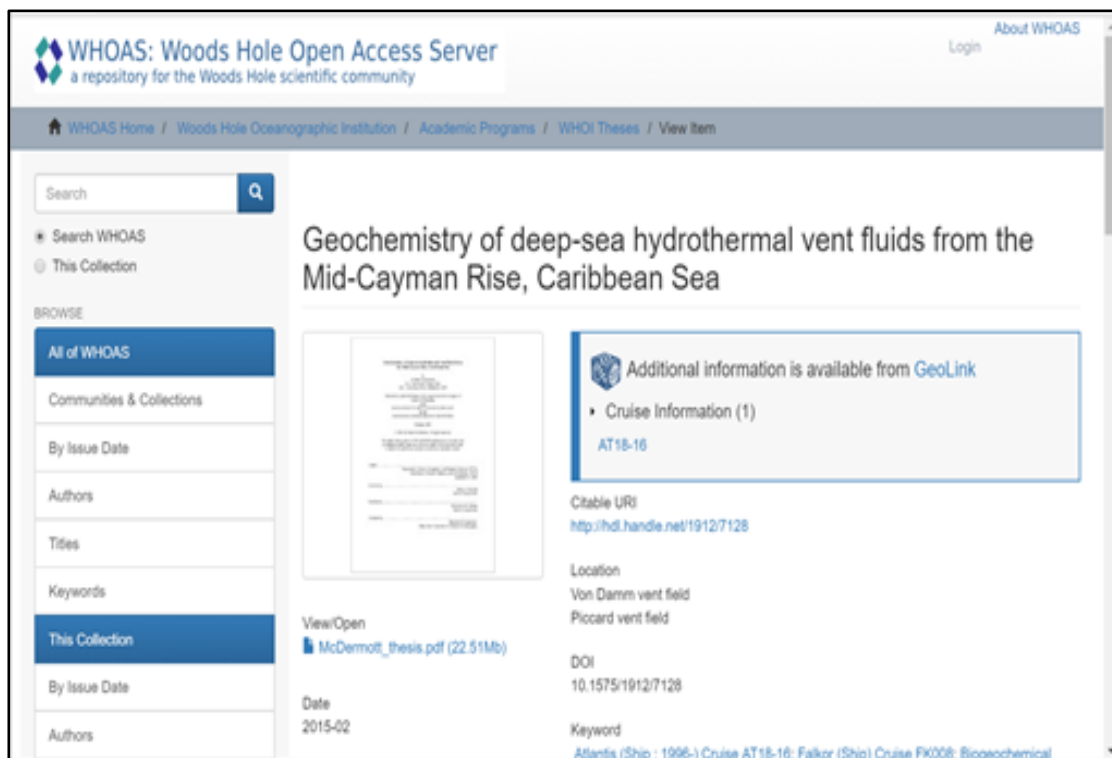
(l-r: Melina Hale, David Mark-Welch, MarkAbbott, Jame Yoder, Jen Walton)

- **Data Activities**

The WHOI Co-Director is a member of the Research Data Alliance and actively involved in several working/steering groups for the International Oceanographic Data and Information Exchange (IODE) of the [Intergovernmental Oceanographic Commission \(IOC\)](#) of [UNESCO](#). The Data Librarian is a member of ESIP. Work was completed on the NSF EarthCube funded project, Geolink.

Working with GeoLink partners, the Library created a script that queries our SPARQL endpoint for data and rewrites the RDF to conform to GeoLink patterns. The published RDF was provided to the GeoLink knowledge base. The triple store data for the project is deposited in WHOAS.

The Data Librarian created code for a widget (image below) that appears in WHOAS records when there is related cruise information in the GeoLink knowledge base.



### Publications generated:

- Raymond, Lisa and Audrey Mickle, Using Linked Open Data to Search Across Geoscience Repositories. Poster presented at Blurring the Edges: The Osmosis of Ideas, 43rd Annual IAMSLIC Conference, Honolulu, Hawaii, October 22-26, 2017.
  - Garcia, Hernan, E., Ariel H. Troisi, Bob Keeley, Greg Reed, Linda Pikula, Lisa Raymond, Henrick Enevoldsen, Peter Pissierssens, Oceanographic data, information management and exchange, In: *Global Ocean Science Report: The Current Status of Ocean Science around the World*. Coordinating Editor, Luis Valdes. UNESCO Publishing, Paris, 2017. pp. 126-144.
- 
- **Bibliometrics and Institutional Research Services: last year more tech, this year more outreach and partnerships.**

The Library continued to refine the implementation and rollout of Symplectic Elements, a full featured research information management (RIM) system. RIM is an emerging service for academic libraries and this work positions MBLWHOI with new opportunities to support the strategic goals of the researchers and institutions in Woods Hole.

Numerous technical enhancements to our Elements platform were completed to add value to the research data we collect and curate. Our institutional repository (WHOAS) was configured as a data source for Elements. Research products deposited in WHOAS are now automatically pushed to Elements to become part of a researcher's scholarly record. Responding to a request from research administrators, a new custom report was created to generate to supply data for the NSF Conflict of Interest form. Additionally, the Woods Hole VIVO (<http://vivo.mblwhoilibrary.org>) instance went live providing a public facing research profile for all scientists in Elements.

In addition to the technical improvements, Library staff made outreach efforts to the scientific community to increase awareness and interest in our RIM services. Elements was presented to numerous research and administrative departments at both MBL and WHOI, and the service was well received. The feedback from this outreach led to a number of new use cases which the Library will be working on in 2018. This includes:

- Tracking research activity associated with specific model organisms
- Using Elements to manage the usage and research output of facilities such as MBL Central Microscopy.



- **Consortial Activities**

The Library is a member of the 18 member Boston Library Consortium (BLC), which serves New England academic library institutions. In 2017 library Co-Director, Lisa Raymond, was President of the BLC Board of Directors. Library staff participated in a number of BLC Communities of Interest, including Resource Sharing, Continuing Resources and Metadata Management, Resource Management, and Special Collections. As a part of the BLC Leads Program, MBLWHOI hosted 2 program participants for a day visit. This gave a chance for aspiring leaders in BLC Libraries a chance to see how a small special library operates.

The Library is a member of the Eastern Academic Scholar's Trust (EAST), a distributed print repository, as a serials retention partner. The Library also participates in the BioInformation Science Consortium, composed of biological and biomedical libraries in the Boston/New York area for resource sharing.

The WHOI and MBL Co-Directors are listed as invited experts in the IODE Steering Groups for OceanDocs, and OceanKnowledge.

Through long term work on the Biodiversity Heritage Library (BHL) Staff, and Collections Committees, the MBLWHOI Library continues to have a role in the day to day operation of this internationally recognized virtual science library. In 2017 the Library authored the BHL blog post: *A report from the MBLWHOI Library: BHL supports the research of recent Catherine N. Norton Fellows* (<https://blog.biodiversitylibrary.org/2017/07/a-report-from-mblwhoilibrary-bhl.html>) The BHL project continues to inform Library space planning decisions and allow easier access to researchers interested in historical works.

- **2017 Interlibrary Loan Statistics**

The demand for resource sharing continues to grow every year and is a highly valued service. It augments the library's carefully selected collection and ensures that users have access to resources they need to be successful. Given the specialized nature of our collection, one might initially think worldwide interest in our materials would be low but the library is consistently a 'net lender'.

That designation, built on quality, quick turnaround time, and trust means that when our patrons need something, other libraries respond to our users' needs in the same manner. Therefore, lending is very important to borrowing.

The MBLWHOI Library complies with U.S. Copyright Law (Title 17, U.S. Code) and adheres to the principles of the ILL Code for the United States. Borrowing and lending articles is worldwide. Books are borrowed from and loaned to other libraries within the United States.

As a member of the Boston Library Consortium and involvement in its Resource Sharing Community of Interest, we all follow written Best Practice policies with the mission: to get materials into the hands of our user community as quickly and cost-effectively as possible. These practices are reviewed annually and take into consideration such things as technological improvements.

During 2017, our involvement with Eastern Academic Scholars' Trust (EAST) adopted best practices for the lending and borrowing of books 'non returnables' which added non-BLC members to our partnership list.



<b>Lending 2017</b>	
Articles	3147
Books	205
<b>Total</b>	<b>3352</b>
<b>Borrowing 2017</b>	
Articles	1438
Books	155
<b>Total</b>	<b>1593</b>



### Library Collections

Circulation Statistics	2017	2016
Items Charged	595	799
Renewals	563	782
Items Discharged	719	724

- **Circulating Collection Accessions**

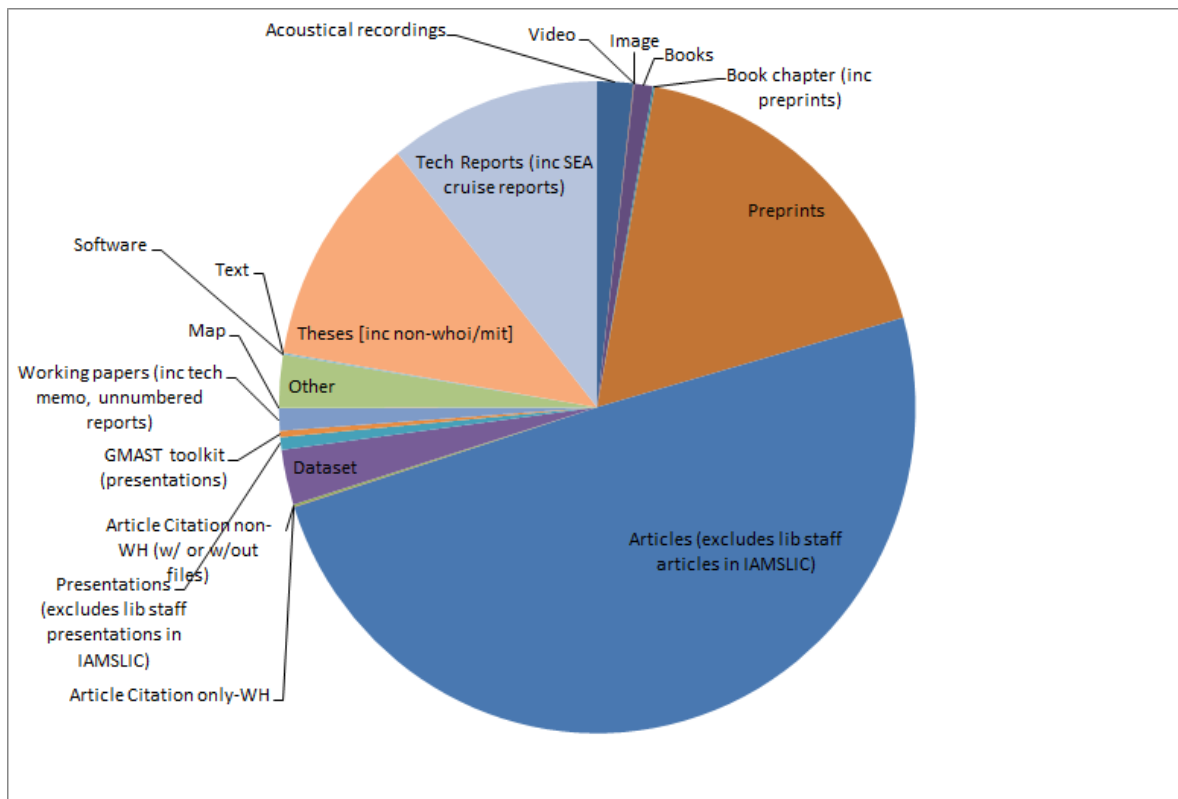
**MBL Book Stacks: 39**

**Data Library and Archives\*: – 93**

**\*includes monographs, tech reports and thesis**

- **Woods Hole Open Access Server (WHOAS): a Digital Institutional Repository**

WHOAS continues its steady growth track, having added 728 new metadata records and their associated digital objects in the 12-month period ending December 2017. At the close of the period, metadata records totaled 8992, 1113 of which are from the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC).



- **Serials and EAST Project**

**Subscribed titles 2017:**

**Electronic: 770**

**Print: 16**

**Freely accessible open access titles: in the thousands**

**Article views of subscribed to titles (2016): 168,133**

In light of the fact that libraries nationally have run out of space, the in-depth assessment and analysis of the serials stacks continued through the Library's work as a member of the Serials Working Group of the EAST Eastern Academic Scholars Trust. This project involved the collaboration of over 60 east coast academic and research libraries to develop a shared print retention partnership. The project mission is to ensure researchers in the Eastern region of the United States have access to print journals and serials through multi-library collaborative arrangements that ensure copies of even infrequently used materials are retained in sufficient number to be readily available. Matthew Person was the Library representative on this committee. The working group established standards and parameters for this project, and by the end of the year in Cohort 1 of this project 465 serials titles were allocated for retention by the MBLWHOI Library.

Also, by the end of 2017 about 680 linear feet of journals had been removed from the stacks. The analysis, assessment, retention, and weeding of the stacks project continues. The electronic serials collection of the Library, we recognize will also need to respond to the increasingly expensive serials publishing landscape over the next decade, and change dramatically, as it will be necessary for this Library to respond through Open Access services, while continuing to serve the needs of the scientists who continue to use the physical library collections.

- **WHOI Data and Archives**

Arrangement and description of two major collections, the Oral History and Historical Instruments collections was completed this year in the WHOI Archives. Both collections now have finding aids available in the library's archival management system, ArchivesSpace. Library volunteers also worked on creating an updated inventory of holdings in the Audiovisual collection and have added the updated records to ArchivesSpace. A project culling student and employee files based on records retention requirements was also completed in the archives in 2017; a total of 114 linear feet of space was made available as a result of the project. Three loans, including photographs, artifacts and items from the historical instrument collection, were made to outside organizations for museum exhibits. Six tours of the Data Library and Archives were also conducted for visiting groups and individuals.

Received 16 accessions totaling 38.5 lin. ft.

Processed 289.75 lin. ft. and 121Mb of electronic records as follows:

AC-01: Trustees records - 64Mb

AC-03: Communications - .25'

AC-09.10: Director, Avery records - .25'

AC-09.11: Director, Abbot records - 40Mb

AC-13: Academic Programs Office records - 7.5'

AC-15: IAMSLIC records - 2Mb

AC-45: Oral history collection - 1Mb

AC-57: Audiovisual collection - 280'

MC-01: Allyn Vine papers - 14Mb

MC-77: Rocky Miller papers - 1.25'

MC-88: Arthur Maxwell papers - .5'

- MBL Archives



Winter 2017 Falmouth Forum/MBL Archives Open House

Five graduate students from the Center for Biology and Society of Arizona State University returned to MBL for the the fifth and final summer of the the MBL History Project in 2017. The students performed QA/QC to make sure that the repository metadata was correct and ensured that all the files had been properly uploaded. Additional video interviews were conducted and added to the History of the MBL website and the History Project dedicated Youtube page.

Development Work on the repository and website continued through the rest of the year, with efforts focused on making the information discoverable and useable. A social media education program, highlighting people and events related to MBL history was begun in 2017. Weekly posts are composed about the History Project and are posted on the Library Twitter and facebook feeds.



**MBL History Project**

@MBLHistory



Supply Dept. staff @MBLScience in 1919 [bit.ly/2l9C8eX](http://bit.ly/2l9C8eX) and 1930 [bit.ly/2C9PZLX](http://bit.ly/2C9PZLX) .  
DISCOVER the unique history of the Supply Dept. online @MBLHistory Project exhibit: [bit.ly/2pluPzs](http://bit.ly/2pluPzs) Written by @FossilHistory @ASU Phd student Paige Madison



5:35 AM - 27 Dec 2017

4 Retweets 9 Likes



Twitter post, December, 2017



- **Catherine N. Norton Fellowship**

Cathy Norton directed the MBLWHOI Library for nearly two decades as a true visionary in the area of information science both inside and outside of Woods Hole. This Fellowship created in her honor, encourages applicants to develop creative projects in Archives, Informatics, Collection Analysis, or Digital Collections while being mentored a MBL Lillie Library librarian. Projects should be openly accessible, collaborative, innovative, connective, and lay the foundation for the development of new scientific knowledge.



2017 Norton Fellowship recipient Sean Cohmer speaks with MBL summer course students.

The 2017 Norton Fellowship was awarded to Sean Cohmer of Arizona State University to create an interpretive exhibit exploring some of the organisms used by Thomas Hunt Morgan at MBL.