

MBLWHOI Library Report

January 1, 2016 - December 31, 2016

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- **Library Staff and Volunteers**

Staff members

- Lisa Raymond, Library Co-Director, Director of Library Services at WHOI
- Jennifer Walton, Library Co-Director, 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, Technical Services Coordinator
- Dave Sherman, WHOI Archivist
- Nancy Stafford, Resource Sharing/Cataloging Librarian

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.



Tour of MBLWHOI Library Herbarium (over 8,000 digitized specimens are online.)

- **Activities & Services**

Library activities and services are centered around the missions of the institutions served. Built upon foundation “Core” services, the Library has developed additional programs and projects reflecting the growing needs of the research community. These are listed below:

“Core” Services

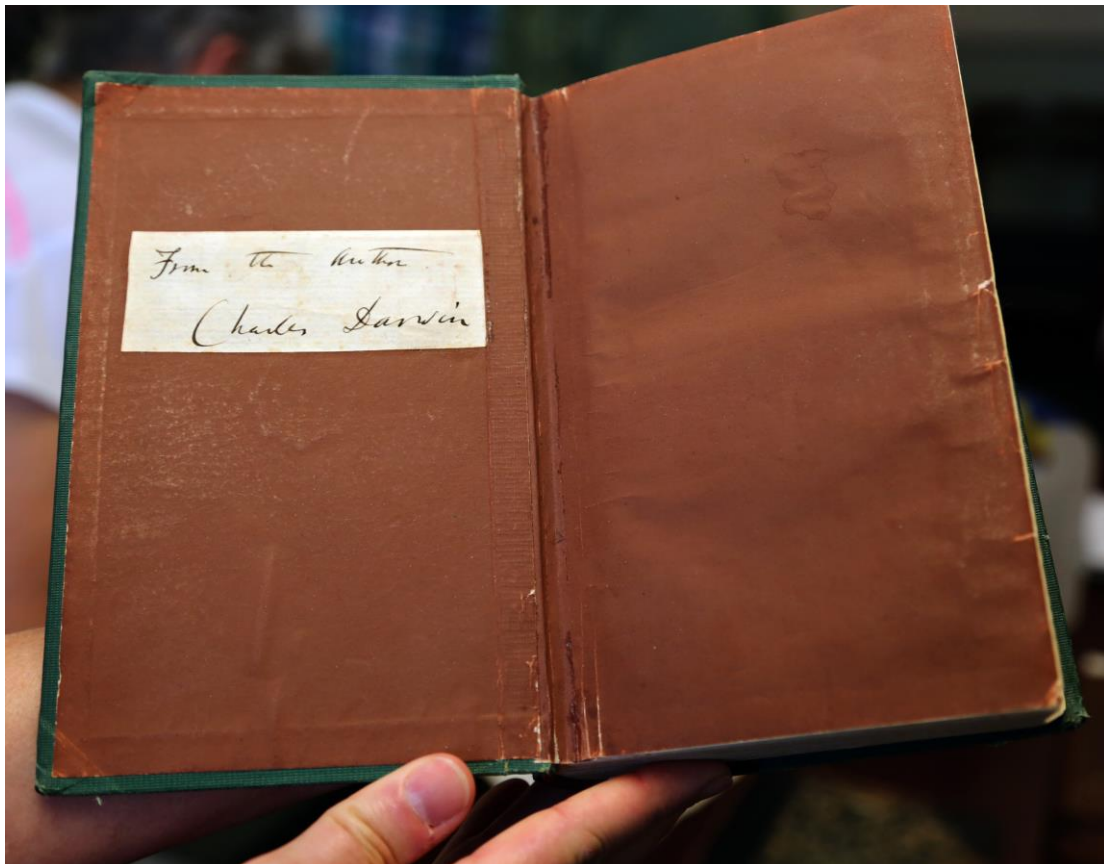
- Acquisitions and management of collections, including monographs, serials and databases
- Citation management
- Course reserves
- Institutional archives
- Instructional programming and public outreach
- Interlibrary loan
- Reference services
- Records management
- Remote access to electronic resources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



- **Library Instruction and Outreach**

Library staff lectures, tours, orientations, and digital tools workshops were offered 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 Semester in Environmental Science (SES), and the Woods Hole Partnership Education Program (PEP). Tours were conducted during MBL and WHOI summer courses/programs student orientations, seminars, donor visits, and for special MBL guests.



Sixth edition, *Origin of the Species* (copy given to Alpheus Hyatt by Charles Darwin in 1873)

The library scheduled information sessions for the Woods Hole Community on a variety of topics:

- January - Library Services Basics
- March - ORCID
- May - WHOAS
- June - History of Biology
- August - Book talk by Arthur Ainsberg
- December - BHL at 10 years

During International Open Access Week in October, the Library hosted a seminar led by MIT-WHOI Joint Program student Cara Manning. Cara discussed her successful OA campaign which resulted in WHOI adopting an opt-in Open Access policy for WHOI community generated publications. Slides: <https://hdl.handle.net/1912/8471>



Dr. Cara Manning spoke about the road taken to a local OA policy.

- **Data Activities**

The WHOI Co-Director is an active member of the **Research Data Alliance, RDA/WDS Working Group on Data Publication**; collaborative publication:

Austin, Claire C., Theodora Bloom, Sunje Dallmeier-Tiessen, Varsha K. Khodlyar, Fiona Murphy, Amy Nurnberger, Lisa Raymond, Martina Stockhause, Jonathan Tedds, Mary Vardigan, Angus Whyte, Key components of data publishing: using current best practices to develop a reference model for data publishing, *International Journal on Digital Libraries* (2017) 18: 77, doi:10.1007/s00799-016-0178-2.

The Library worked with the company @mire, a Duraspace registered service provider, to further enhance DSpace support for expressing WHOAS records fields in Linked Open Data (LOD).

- Previous work completed in 2014 for MBLWHOI provided support to directly alter generated RDF in DSpace to meet patterns from Geolink. As the standard has been in flux, it was decided to have DSpace LOD RDF adhere to a local pattern that can be applied to all DSpace instances and instead support mapping to Geolink in processes external to the DSpace application. @mire worked with the Library to migrate to the new LOD solution, contributed to DSpace 5.
- As part of the GeoLink effort, @mire included and upgraded the Editable Authority Control module to DSpace 5 and improved its support for creating and managing external authority links for DSpace. Editable Authority Control allows DSpace administrators to manage, preserve and display the relationships with external LOD resources that can be assigned to DSpace metadata values. @mire also extended RDF representations of DSpace resources to be more detailed, including descriptions for Bitstreams and for EAC Concepts in SKOS-XL. Finally, support was added to query LOD resources from external SPARQL endpoints and link to them in DSpace record metadata fields. This solution provides a mechanism to configure SPARQL queries against known endpoints such as R2R and BCO-DMO, allowing retrieval of specific resources to be associated with the metadata fields of DSpace records.
- The DSpace Editable Authority Control and the SPARQL Source addon are freely available to the community of users, including 257 registered DSpace repositories in the US and 1700 worldwide.

Presented posters:

Mickle, Audrey and Lisa Raymond. Advancing Open Source Linked Data Solutions for Cross-repository Discovery and Collaboration: Putting the WHOAS

Community Repository in a Geoscience Context. *Poster presented at SAIL, a regional group of the International Association of Marine and Aquatic Sciences Libraries and Information Centers, May 2016.*

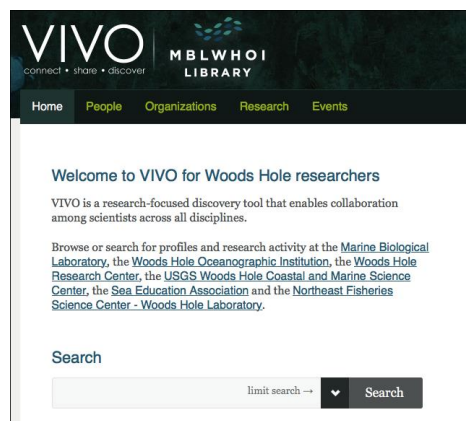
Mickle, Audrey and Lisa Raymond. No Repository is an Island: Putting the WHOAS Community Repository in a Geoscience Context. *Poster presented at the 8th Annual e-Science Symposium, April 2016.* <http://hdl.handle.net/1912/7938>

- **Bibliometrics and Institutional Research Services**

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. This work positions MBLWHOI with new opportunities to support the strategic goals of the researchers and institutions in Woods Hole.

Technical enhancements to our Elements platform were completed to add value to the local scientists generated research data which we collect and curate. Citation data from Web of Science was integrated to provide impact information for all publications. Custom reporting capabilities were implemented to provide multiple user groups in Woods Hole (scientists, administrators, education departments) with the specific and distinct views of research data that they require. Automatic harvesting of data from Elements to **VIVO** (a public facing research networking expertise platform), was implemented to enhance the global discoverability of Woods Hole research.

Library staff worked to create robust researcher profiles for all Woods Hole scientists within the Elements platform. This large store of research data was utilized heavily by the Woods Hole scientific community for various reporting and decision making needs. Per a request from the MBL Director, research data from Elements was repurposed to create a visual network demonstrating the collaborations happening among resident and summer researchers. This work was presented to the MBL Board of Trustees.



MBLWHOI Library VIVO instance search box.

- **Biodiversity Heritage Library (BHL)**

In 2016 the international collaboration the **Biodiversity Heritage Library** celebrated a decade of sustainable growth. The decade began locally with librarians and informaticians digitizing literature and creating tools and standards to display a few thousand volumes. By the end of 2016 the BHL was at close to 200,000 digital volumes, 175,000,000 indexed taxonomic names, and globally over 30 constituent libraries. This collection comprises the world's largest open access digital library for biodiversity literature. BHL is seen as a standard for taxonomic literature aggregation, discovery and presentation, as well as a model for other digital library initiatives.

The MBLWHOI Library was a founding member of the BHL, and in 2016 that status shifted to affiliate status, which was a cost saving measure. However, MBLWHOI Library staff continued to support the day to day operation of the library through electronic reference assistance and long term service on the Collections, and Staff committees. Other committee service was completed on the Discovery Tools Task Force, and the Gemini User Reference Services Workflow Working Group. In addition, the Library Co-Director attended the BHL10th anniversary meetings held at the Natural History Museum, and Kew Gardens, in London, England. At MBL and WHOI, BHL is regularly introduced to researchers, students, and Rare Books Room visitors, more and more of whom have already come to use BHL resources prior to such introductions.



Summer Rare books Open House

- **Consortial Activities**

The Library is a member of the **Boston Library Consortium (BLC)**. In 2016, library co-director, Lisa Raymond was chosen as President-elect 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, and Resource Management.

The Library is a member of the **Eastern Academic Scholar’s Trust (EAST)**, a regional distributed print repository, as a serials retention partner.

The WHOI and MBL co-directors are listed as invited experts to the International Oceanographic Data and Information Exchange (IODE) Steering Group for OceanDocs. The WHOI co-director is an invited expert for IODE Steering Group for OceanKnowledge. The MBL co-director is chair of the IODE Oceandocs Steering Committee.

- **2016 Interlibrary Loan Statistics**

Lending 2016	
Articles	2280
Books	218
Total	2498
Borrowing 2016	
Articles	1323
Books	193
Total	1516

- **Library Collections**

Circulation Statistics	2016	2015
Items Charged	799	829
Renewals	782	893
Items Discharged	724	577

Circulating collection accessions:

MBL Book Stacks - 31

Data Library and Archives* - 82

*includes monographs, tech reports and thesis

- **Serials Collection**

Subscribed titles 2016:

Electronic format: 818

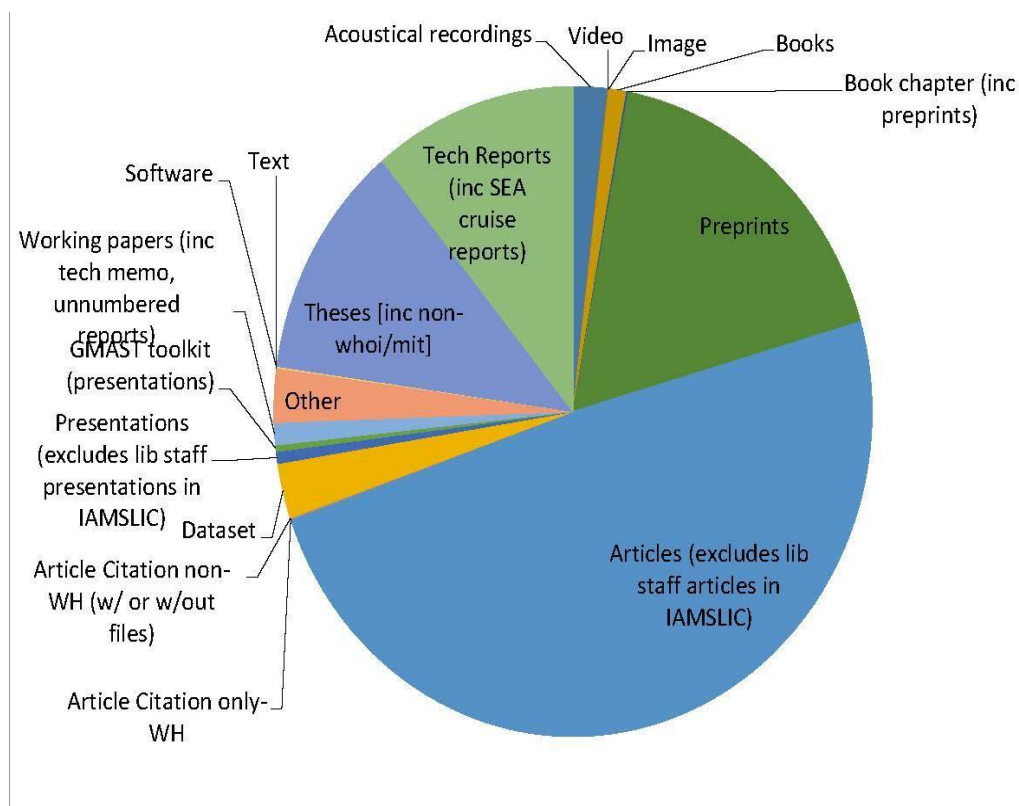
Print: 22

Serials - The in-depth assessment and analysis of the serials stacks continued in 2016: over 200 disused serials titles equaling over 600 linear feet were removed from the collection. At the end of 2016, weeding titles for which a complete analysis of the relevance and regional holdings of each title would be examined. Part of the assessment of the serials stacks involved the Library becoming a member of the Serials Working Group of the **EAST Eastern Academic Scholar's Trust** project of the BLC Boston Library Consortium. This project involves the collaboration of over 60 east coast academic and research libraries as 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 regionally to be readily available. The specialized content and historic collections of the MBLWHOI Library serves our scientists and also the mission of this collaborative standards building regional project.

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

WHOAS continues its steady growth track, having added 866 new metadata records and their associated digital objects in the 12-month period ending December 2016. At the close of the period, metadata records totaled 8264, 1102 of which are from the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMS LIC). WHOAS staff worked with representatives of the Global Marine Animal Stranding Network to bring their training materials to stranding responders via the repository.



- **WHOI Data and Archives**

The WHOI Archives processed several new collections which have been added to the library's archives management system, **ArchivesSpace**. Several other large collections (Oral History and Historical Instrument collections) continue to be prepared for ingestion into the system. The archives also added its first digitized collection (the Thomas Kelley logbooks) to the **Digital Public Library of America** through its local Massachusetts portal, **Digital Commonwealth**. Links to the digitized material were also added to the collection description on ArchivesSpace.

Received 23 accessions totaling 75.75 lin. ft.

Processed 67.625 lin. ft. and 22.6G of electronic records as follows:

- AC-01: Trustees records - 4.5G
- AC-06: Historical Instrument collection - 8 lin. ft.
- AC-09: President and Director's records - 3G
- AC-10: Human Resources records - 35 lin. ft.
- AC-18: Operational Scientific Services records- 11.25 lin. ft.
- AC-30: Computer and Information Services records - .5 lin. ft.
- AC-38: Facilities records - .125 lin. ft.
- AC-44: WHOI Image collection - 3.2G
- AC-65: 75th Anniversary collection - 4.8G
- AC-73: MBLWHOI Library Herbarium collection - 5 lin. ft.
- MC-09: Mary Sears papers - 4.5M
- MC-25: Thomas Kelley papers - 200M
- MC-85: Jim Craddock papers - 1 lin. ft.
- MC-108: Card Indexes collection - 5 lin. ft.
- MC-110: George Grice papers - 1.75 lin. ft.
- WHOI History files - 6.9G



Media preservation is vital.

- **MBL Archives**

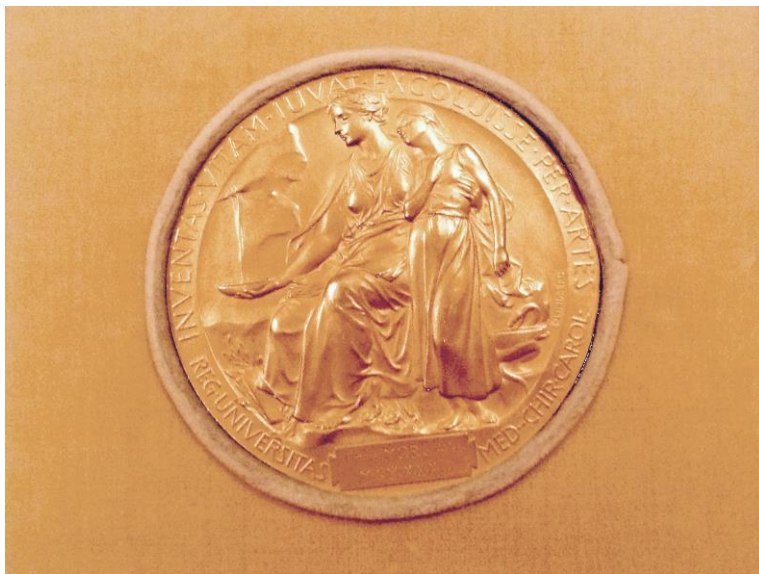
Three collections were added to the MBL Archives repository in **ArchivesSpace** during the year and 4 finding aids were revised to improve access to the materials.

Processed in 2016

- MC-MBL-Bang: Papers, reprints, and student theses from approximately 1936 to 1981.
- MC-MBL-Szent-Gyorgyi: An eclectic mix of items from the 1950s to 1980s.
- MC-MBL-Whitman: Papers and correspondence from 1882 to 1910.

Finding Aids revised in 2016

- MC-MBL-Copeland
- MC-MBL-Hamburger
- MC-MBL-Lillie
- MC-MBL-Whitman



Thomas Hunt Morgan Nobel Prize Medal (1933)

- **Catherine N. Norton Fellowship**

Cathy Norton directed the MBLWHOI Library for nearly two decades as a true visionary in the area of information science. The Fellowship, created in her honor, encourages applicants to develop creative projects in Archives, Informatics, Collection Analysis, or Digital Collections with a MBL Lillie Library mentor. Projects should be openly accessible, collaborative, innovative, connective, and lay the foundation for new scientific knowledge.

The first Norton Fellowships were awarded in 2016 to:

- **Beatrice Steinert**, Brown University. Making Sense of the Chick: Images and Normal Stages in Embryology
- **Katy Sternberger**, Simmons College. Improving Discovery of the MBL Archives



Hundreds of students experience “brief study workshops” each season.