



**MBLWHOI**  
**LIBRARY**

**Annual Report for the year 2018**

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Map detail, Svalbard Archipelago, Résultats des campagnes scientifiques accomplies sur son yacht par Albert Ier, prince souverain de Monaco ... (1889)

## From the Co-Directors:

The Library continues to evolve to meet the needs of the Woods Hole community. 2018 saw researchers turning to the Library for services like data management and impact analysis through bibliometrics. The world of scientific publishing and the Open Access movement continue to change and innovate in response to each other. The Library supports scientists navigating this changing, and at times challenging world, through improved access to information, educational programs and resources.

In early 2018 the staff of the MBLWHOI Library held two half day strategic planning retreats, with a focus on marketing. The staff brainstormed new ideas for publicizing resources and services. Several sub-committees were formed and the results were favorable, with staff reporting successful collaborations and re-energized marketing materials.

At the end of the year Ann Devenish retired with over 16 years of service. We welcome Debbie Roth as our new Repository Manager. This year we saw milestone anniversaries for two staff members: Dave Sherman - 10 years, Audrey Mickle - 5 years. Years of service for other staff: Kirill Batyuk - 2 years, John Furfey - 12 years, Jen Walton -18 years, Matthew Person - 19 years, Nancy Stafford - 22 years, and Lisa Raymond – 29 years.

- Lisa Raymond and Jen Walton

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- **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

Debbie Roth, Repository Manager

Dave Sherman, WHOI Archivist

Nancy Stafford, Resource Sharing/Cataloging Librarian

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- **Library volunteers**

WHOI Data Library and Archives (DLA): Laura Catanach, Wendell Edwards, John Foley, Ralph Montilio, Patrick Senior, and Jane Tracy.

Herbarium: Pamela Polloni, Carol Knox, Jan Salick, Donald Schall, Jacqueline Webster.

MBL: Herbarium project Scanners: Tom Gregg and Judy Stetson.

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## ● **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. Core Library services include

- 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
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## ● **Consortial Activities**

The Library is a member of the 19 member Boston Library Consortium (BLC), which serves New England academic library institutions. In June Library Co-Director, Lisa Raymond, completed her term as President of the BLC Board of Directors. Library staff participated in a number of BLC Communities of Interest (COI), including Resource Sharing, Continuing Resources and Metadata Management, Resource Management, and Special Collections, as well as the newly created Technology COI.

As a part of the BLC Leads Program, MBLWHOI hosted 4 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 Scholars Trust (EAST), distributed print repository, as a serials retention partner. The WHOI and MBL Co-Directors are members of the IODE Steering Group for OceanDocs, with the MBL Co-Director finishing a term as Co-Chair in October.

The MBLWHOI Library supports the Biodiversity Heritage Library (BHL) through long term work on the Staff and Collections Committees, . In 2018 the Library authored the BHL blog post: **Entertaining Royalty: MBLWHOI Library uses BHL volumes, digital tools, and physical volumes in exhibit prepared for visit of His Serene Highness Prince Albert II of Monaco** <https://blog.biodiversitylibrary.org/2018/08/entertaining-royalty.html> The BHL project additionally continues to inform Library collections and space planning decisions.

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- **Library Instruction, Outreach, and Events**

Library staff provided planned and on demand library instruction, lectures, orientations, and institutional history and collections tours 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 providing bibliometric assistance to scientists and administrators.

The MBL Rare Books and Archives collections continue to be introduced to and used by students and researchers, including students from Sea Education Association (SEA), the MBL's Semester in Environmental Science (SES), MBL's High School Program, the Woods Hole Partnership in education program (PEP), and researchers from the MBL McDonnell Initiative. Educational hands on targeted tours were conducted during MBL and WHOI summer courses / programs, student orientations, seminars, courses, donor visits, and for other special MBL and WHOI guests.

In July 2018, the MBL Rare Books and Archives and the WHOI Archives collaborated to create a one day science literature and historical objects exhibit for His Serene Highness Prince Albert II of Monaco's laboratories visit to Woods Hole. The exhibit emphasized the historic and scientific connections since the early 20th Century between MBL and WHOI, and the Oceanographic Institute of Monaco, beginning with the pioneering work of the Prince Albert II's, great grandfather, His Serene Highness Prince Albert I of Monaco (1848-1922).

The Library also offered well attended engaging book and author discussions in the Library and the Lillie Auditorium based on the University of Chicago Press/MBL book series "Convening Science: Discovery at the Marine Biological Laboratory": *The Ark and Beyond*, and *Visions of Cell Biology: reflections inspired by Cowdry's "General Cytology"*. In addition, Dr. Gerald Weissmann of NYU and MBL discussed his latest work of essays on the intersection of science, culture, and the march of history, *The Fevers of Reason*.

In October, as an annual participant in Global Open Access Week, the Library sponsored two campus viewings of the film documentary *Paywall, the Business of Scholarship*, which

was screened at that time at libraries all over the world. The screenings in Woods Hole were followed by librarian led discussions which encouraged attendees to express how they are approaching the open access dissemination of their works. Library staff met with the director, Jason Schmitt, at an open access conference held at the Boston University library. View the film here: <https://paywallthemovie.com/>



In May, the Library sponsored the 2nd annual Michael Mizell Public History Lecture, given by Washington University science historian and longtime MBL community member Garland Allen: "Strange Bedfellows: Eugenics and the Environmental Conservation Movements in Early Twentieth Century America." This lecture is held annually in memory of Michael Mizell. Professor Mizell was a leader in the application of digital technologies to study public history. The late Professor Mizell, son of longtime MBL scientist Merle Mizell, died of cancer in 2014. At the time of his passing he had begun collaboration with the History of MBL Project on the history of the leper colony on nearby Penikese Island and its connection to the federal leper hospital in Carville, Louisiana

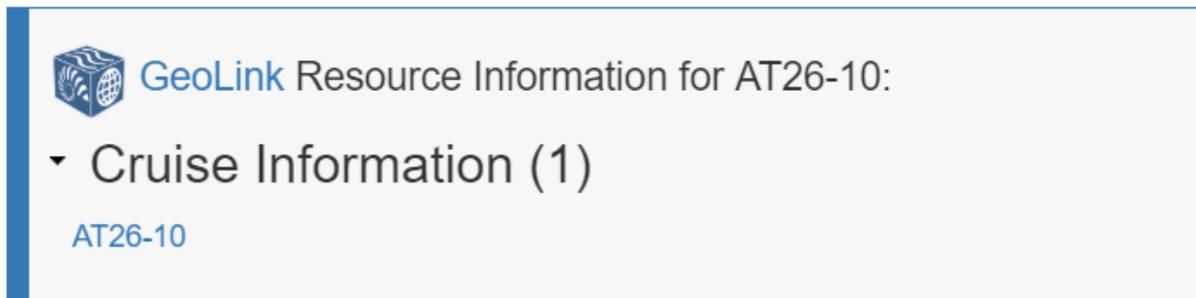
The Library continues outreach through social media and blog posts. Looking at Twitter for example, tweets in 2018 on subjects including MBL and WHOI history, library services, events, and science publishing were seen over 170,000 times.

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- **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 Earth Science Information Partners (ESIP), a “non-profit, volunteer and community-driven organization that advances the use of Earth science data.”

In previous years, the Library helped to establish the GeoLink knowledgebase, which collects and connects information about research cruises, data, grants, and publications using an open linked data format. Continuing this work, 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. Generally, this will include cruise ID, dates, ports, chief scientists, and grant information.



The WHOI Data Librarian has been working closely with the National Deep Submergence Facility (NDSF) to streamline metadata collection and dissemination and improve discoverability and access of NDSF data. The Library worked with the NDSF to design a library internship position to improve data quality and access within the facility. The Data Librarian has also taken on new responsibilities for archiving and making available data access forms and tracking vehicle activity.

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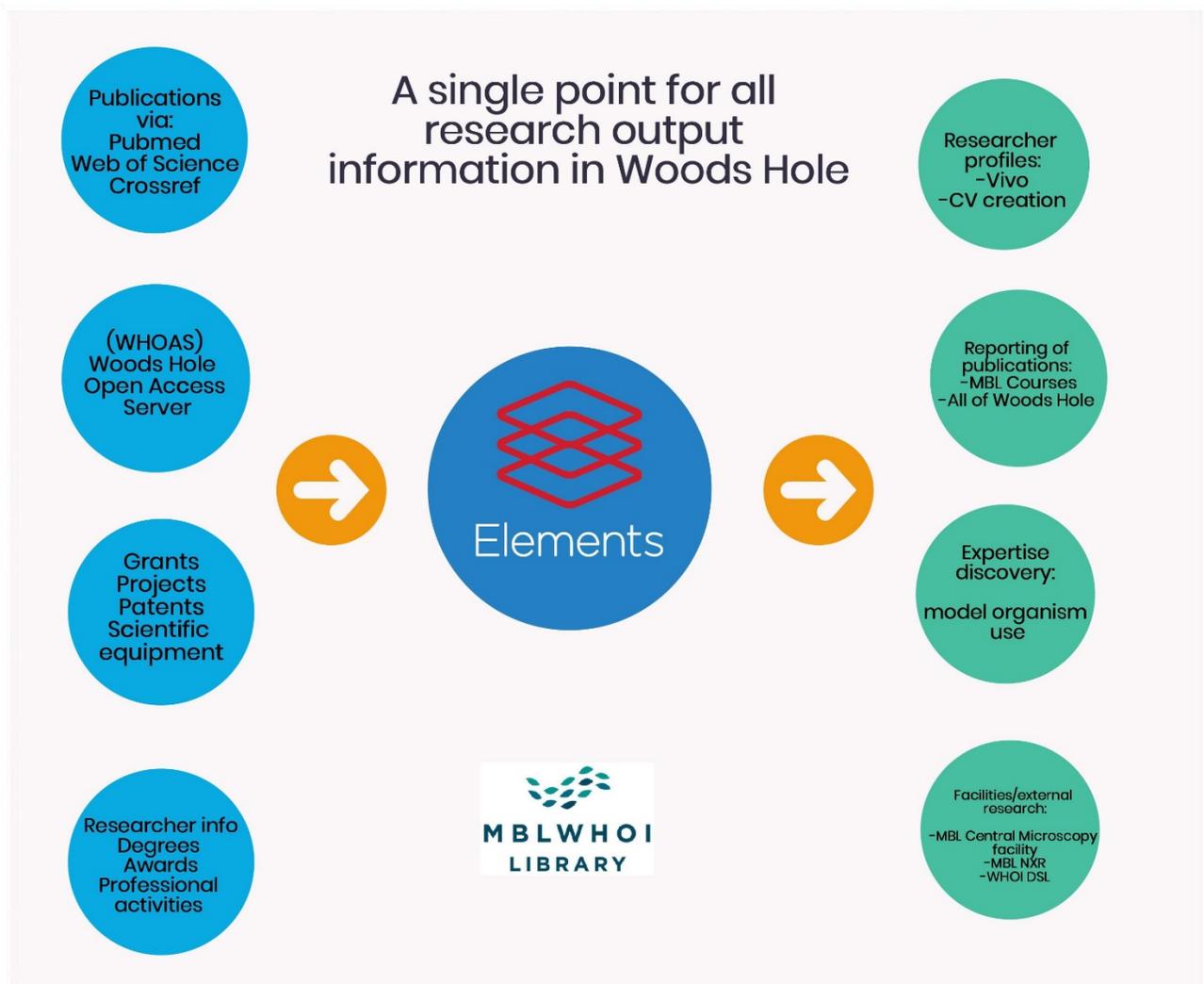
- **Bibliometrics and Institutional Research Services: Outreach and partnerships.**

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

Building on last year's outreach efforts to the scientific community, we partnered with a number of groups to provide valuable data from our Elements system to bolster research initiatives. In early 2018, researchers involved in MBL's imaging initiative were added to Elements, and we began tracking the publications that utilized the Central Microscopy Facility. This curated data was later integrated into a successful Chan Zuckerberg Initiative (CZI) national award, to fund an imaging scientist at the MBL. Our Elements system was also utilized to begin tracking research activity associated with specific model organisms. For instance, based on a request from an MBL PI, we were able to supply a list of MBL associated researchers (resident and visiting) who have been publishing their cephalopod research results.

In addition to the research information work we do within the Elements system; the library is also tracking publication and bibliometric data for a number of Woods Hole scientific initiatives. These include:

- All courses at the MBL
- National Deep Submergence Facility at WHOI
- National Ocean Sciences Accelerator Mass Spectrometry facility at WHOI
- National Xenopus Resource at MBL



- **2018 Interlibrary Loan Statistics**

Interlibrary loan is one of the most valued services of the Library. It expands the universe



of resources available to patrons outside the carefully curated collections of the Library. All types of libraries worldwide borrow and loan journal articles to patrons with library affiliations. Books, however, are borrowed and loaned primarily within the United States. 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.

Best Practice policies within the Boston Library Consortium Resource Sharing Community of Interest are reviewed and revised annually to take

advantage of developments in the field.

The MBLWHOI Library continues to be a ‘net lender’ of materials and in doing so maintains the trust we have developed with our partners. By providing them with the quality and rapid turnaround time they rely on we, in turn, can count on the same exceptional service which our patrons thank us for all the time.

### **Interlibrary Loan**

<b>Borrowing Statistics</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>
<b>Articles</b>	<b>1305</b>	<b>1438</b>	<b>1323</b>
<b>Books</b>	<b>181</b>	<b>155</b>	<b>193</b>
<b>Total</b>	<b>1486</b>	<b>1593</b>	<b>1516</b>
<b>Lending Statistics</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>
<b>Articles</b>	<b>2967</b>	<b>3147</b>	<b>2280</b>
<b>Books</b>	<b>181</b>	<b>205</b>	<b>218</b>
<b>Total</b>	<b>3148</b>	<b>3352</b>	<b>2498</b>

## Library Collections

Circulation Statistics	2018	2017	2016
Items Charged	544	595	799
Renewals	519	563	782
Items Discharged	652	719	724

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- **Circulating Collection Accessions**

MBL Book Stacks: 42

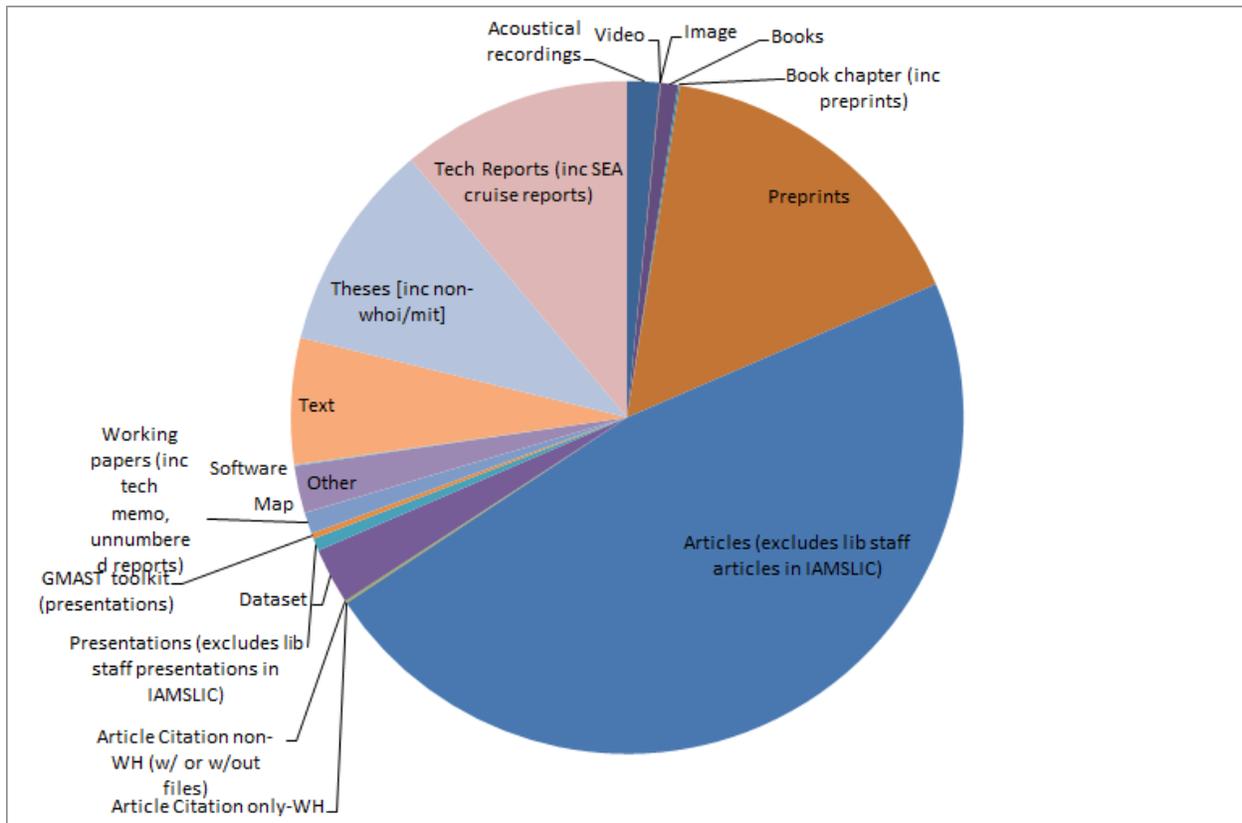
Data Library and Archives\*: – 56

\*includes monographs, tech reports and thesis

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

WHOAS continues its steady growth track, having added 1,315 new metadata records and their associated digital objects in the 12-month period ending December 2018. At the close of the period, metadata records totaled 10,307, 1,115 of which are from the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC).



WHOAS repository contents pie chart.

The WHOI Co-Director participated in a panel: The Woods Hole Open Access Server (WHOAS), Meeting the needs of Woods Hole Researchers for over a decade. Panel presentation, The Evolution of Institutional Repositories: Documents, Data, and Beyond at the SAIL annual meeting, a regional group of the International Association of Marine and Aquatic Sciences Libraries and Information Centers, April 2018.

- **Serials and Journals Collections**

**Subscribed to titles 2018:**

**Electronic: 791; Print: 19**

**Freely accessible open access titles: a few thousand**

**Article views of subscribed to titles (2017): 268,316; (2016):271,913**

Collecting serials and journals is expensive and tricky as the *open access* wave has arrived upon our shores, and global change in the delivery of e-resources is as profound now as it was at the inception of the electronic resources revolution two decades ago. The journals

collection weeding/serials retention work continued as a member of the (EAST) Eastern Scholars Academic Trust. This project has allied itself with other regional retention projects and the national retention group, the Rosemont Print Retention Alliance, meaning a limited selection of important titles in our collection are part of a larger limited period repository, supporting a regional and national library network. The Technical Services Coordinator was the Library representative on the Serials and Journals Retention committee, and he presented at the 2018 EAST annual members meeting on the nuts and bolts elements of standardizing the verification the physical holdings of a library serials collection.

### **Most published in journals 2018 Woods Hole Scientific Community**

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1. Nature Communications (open access)
2. Scientific Reports (open access)
3. PNAS (partial open access)
4. Journal of Geophysical Research: Oceans (partial open access)
5. Nature (partial open access)
6. PLoS One (open access)
7. Geophysical Research Letters (partial open access)
8. Cell (partial open access)
9. Global Change Biology (partial open access)
10. Science (partial open access)
11. Environmental Science and Technology (partial open access)
12. Environmental Microbiology (partial open access)
13. eLife (open access)
14. Journal of Physical Oceanography (partial open access)
15. Current Biology (open access after 1yr)
16. Cell Reports (open access)

(Data for MBL/WHOI graphic provided by Symplectic Elements)

The Tech Services Coordinator reported on aspects of the changes impacting science publishing to the Joint Users Committee in April. Some publishers see themselves as data keepers/owners first, science publishers second. In the process of serving their communities, interestingly, in some cases whole countries like Sweden, and academic consortiums like the University of California digital library system have opted out of subscription agreements with large publishers such as Elsevier. "Plan S" has been proposed in Europe, the purpose of which is for science literature to go straight from publishing to being fully accessible to all. In this atmosphere, the Library exercised extra care in our subscriptions management and publisher relations in 2018.

## OA Growth Over Years

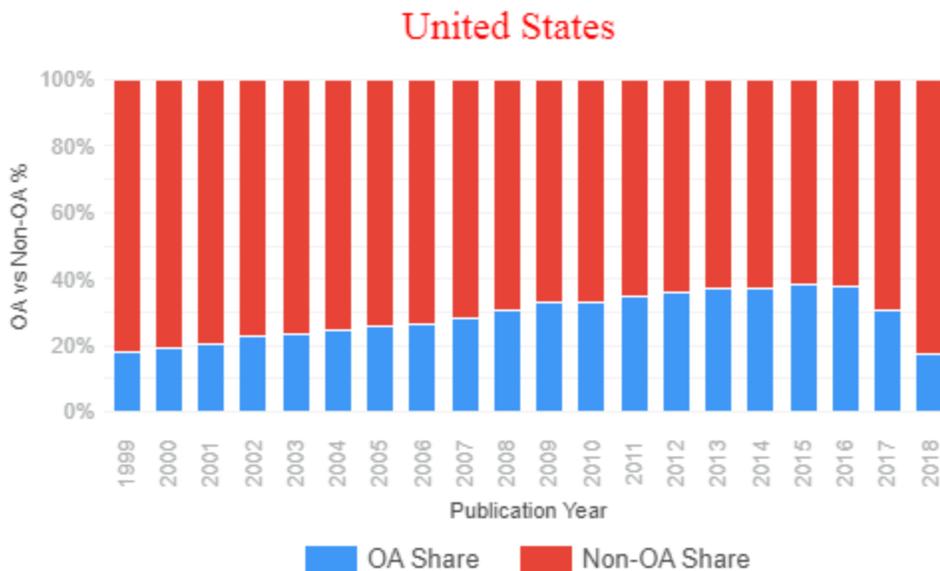


Chart above from [wizdom.ai](#)

Above chart reflects a dynamic push-pull between publishers and the research community.

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- **WHOI Archives**

Two legacy databases of library collections, the WHOI Contributions to the Scientific Literature and the News Clippings collection, were updated and converted into finding aids in the library's archival management system, ArchivesSpace. A project with the WHOI Communications department preserved a series of discontinued web pages from WHOI's website. Three publications, the WHOI Buoy, Woods Hole Currents and Woods Hole Notes, were digitized this year, and are currently being added to WHOAS to make them publicly accessible. Library volunteers continued adding to a detailed inventory of holdings in the Audiovisual collection, and an intern from Simmons University processed a collection of microfilmed seismic data. Both collections have finding aids in ArchivesSpace. One item from the historical instrument collection was loaned to an outside organization for a museum exhibit. Ten tours of the Data Library and Archives were given to visiting groups and individuals.



Columbus Iselin (WHOI Director (1940-'50,'56-'60) family photograph collection

- Received 19 accessions totaling 45.5 lin. Ft.
- Processed 122.75 lin. ft. and 5.54Gb of electronic records as follows:
  - ❑ AC-01: Trustees records - .3Mb
  - ❑ AC-03: Communications - 377Mb
  - ❑ AC-04: Library records - 2', 1.9Mb
  - ❑ AC-06: Historical Instrument collection - 6.5'
  - ❑ AC-09: Director records - 1.25'
  - ❑ AC-15: IAMSLIC records - 17.5Mb
  - ❑ AC-18: Operational Scientific Services records - 13.75', 40Mb
  - ❑ AC-21: Titanic discovery collection - 3.75'
  - ❑ AC-49: Ship Operations Group - 5Mb
  - ❑ AC-53: Memorabilia collection - 1'
  - ❑ AC-57: Audiovisual collection - 75'
  - ❑ AC-62: Ephemera collection - 1.5Mb
  - ❑ AC-71: Publications - 5.06Gb
  - ❑ MC-01: Allyn Vine papers - 14.7Mb
  - ❑ MC-20: Henry Bigelow papers - .25'
  - ❑ MC-87: Miscellaneous Manuscripts - 22.3Mb
  - ❑ MC-113: Stanley Watson collection - 1.25'
  - ❑ MC-115: Microfilm cruise data collection - 18'

His Serene Highness Prince Albert II of Monaco visited both MBL and WHOI on July 9th, 2018. This landmark event marked 43 years since the last time a head of state, Emperor Hirohito of Japan visited MBL and WHOI. The Library holds the 46-volume set of the results of the voyages of oceanographic exploration directed by the great grandfather of Prince Albert II, HSH Prince Albert I of Monaco: **Résultats des campagnes scientifiques accomplies sur son yacht, par Albert Ier, prince souverain de Monaco**. Librarians from the Lillie Library as well as the Data Library and Archives researched this title in order to present Prince Albert II with detailed interpretations of his grandfather's contributions to oceanography. The WHOI Archives holds a deck chair from Prince Albert I's first research vessel L'Hirondelle (1873.)



*Above photo collage: clockwise from upper left hand corner: MBL interim Co-Directors Melina Hale and Neil Shubin present Prince Albert with a framed plate of a squid from one of his great grandfather's oceanographic exploration volumes; view of exhibition table; seal of Monaco; statue Prince Albert II of Monaco presented to MBL of his great great grandfather Prince Albert I of Monaco; Library Co-Director Jen Walton speaks with Prince Albert II about cephalopod research; the deck chair from L'Hirondelle (1889)*