



OhioLINK

An OH·TECH Consortium Member

ANNUAL REPORT



2016



17

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ohiolink.edu/directory



OhioLINK offers Ohio college and university students, faculty and staff access to vast holdings of information that nurture education and research.”

— John Carey, Chancellor, Ohio Department of Higher Education

OhioLINK: Composed of 120 members, including college and university libraries and the State Library of Ohio, the Ohio Library and Information Network (OhioLINK) delivers a rich array of resources to the students, faculty and researchers of member institutions, plus substantial savings to the state of Ohio. Support from member institutions and the Department of Higher Education have created a collection of shared print and digital materials that rivals the research collections available at the top university libraries in the United States and internationally.

Ohio Technology Consortium: Governed by the Chancellor of the Department of Higher Education, OH-TECH serves as the technology and information division of the Ohio Department of Higher Education. The consortium comprises a suite of widely respected member organizations unsurpassed in any other state: OSC, OARnet, OhioLINK and eStudent Services.

FROM THE DIRECTOR

Shared Services. Shared Resources.
Driven by Member Participation.

The OhioLINK tagline could not be more appropriate, especially as we pause to look across a quarter of a century of service to college, university and state libraries. OhioLINK grew out of a charge from the General Assembly to the Ohio Board of Regents (now Ohio Department of Higher Education) to address repeated university library requests for increased storage space "with an eye to transforming academic libraries from individual repositories into a collective resource for the emerging electronic information age."

In 1992, having uploaded their collections to the OhioLINK Library Catalog, libraries at six of 12 charter universities came online to our central catalog and OhioLINK was born.

OhioLINK serves its institutions cost-effectively and efficiently with the generous support of the legislature and the Department of Higher Education. However, it is also a member-driven organization, relying on its libraries to contribute staff time and pooled funding for shared print and digital collections. Beyond the substantial work at each institution that makes the print sharing network possible, member staff assist the central staff in making decisions on projects such as purchasing online research databases, developing the Electronic Theses and Dissertations Center and the Electronic Journal Center. This approach has resulted in \$45 million in avoided costs in just over a five-year window.

In our 25 years, OhioLINK's end users have always been our most eloquent proponents. So it's fitting that in November, legislators and leaders in higher education will gather at the Statehouse to meet representative researchers and students who directly benefit from OhioLINK's content and services. Bringing them together should truly illustrate the value of shared resources and expert negotiations.



Gwen Evans, MLIS, MA
Executive Director

2016–17 HIGHLIGHTS

Higher Education Affordability

OhioLINK staked out a leading role in efforts to promote Affordable Learning and Open Educational Resources (OER). OhioLINK began supporting textbook initiatives by joining the Open Textbook Network to promote adoption of Open Educational Resources. There is also a plan for a dedicated website for Ohio faculty to find OER and licensed resources to use in courses. A coalition of OhioLINK institutions received an ODHE grant of \$1.3 million to promote OER awareness and creation across the state with OhioLINK staff and technical support.

Ohio Digital Network

OhioLINK joined the "Ohio Digital Network," a statewide Digital Public Library of America (DPLA) Service Hub. The network serves as the on-ramp to DPLA for the state's library, archives and cultural heritage organizations, ensuring that local digital collections can be accessed nationally.

Valuable Content Additions

OhioLINK added valuable new content from Sage, including a substantial backfile and a statistical package, as well as e-books from the American Psychological Association. These additions provide expanded access to scholarly content in psychology, medicine, psychiatry, nursing, sociology, education, pharmacology, neuroscience and physiology.





120 member libraries
45 million+ library items

CENTRAL CATALOG



100+ databases

RESEARCH DATABASES



27 million+ articles from top
scholarly publishers, academic
societies, university presses

ELECTRONIC JOURNAL CENTER



160,000+ e-books

ELECTRONIC BOOK CENTER



81,000+ tracks
22,000 albums

MUSIC CENTER



89,000+ theses and dissertations
32 academic institutions

ELECTRONIC THESES & DISSERTATIONS



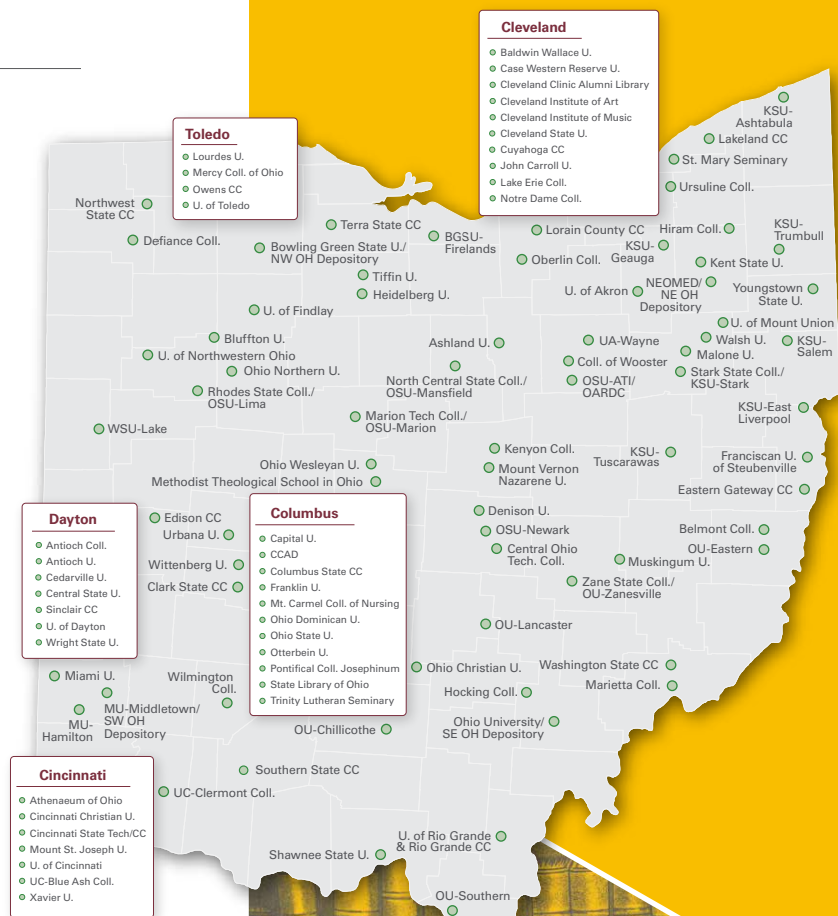
Rich collections housed in Ohio's
archives, libraries and other institutions

FINDING AID REPOSITORY



85,000 rare, scholarly and historical
records from Ohio's colleges,
universities, cultural institutions

DIGITAL RESOURCE COMMONS



FINANCIAL IMPACT

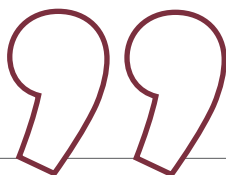
OhioLINK is proof that collective buying power and expert negotiation skills go a long way. Since 1992, OhioLINK has delivered a wealth of valuable resources to Ohio's academic libraries while saving millions of dollars. How? By leveraging the collective buying power of our 120 member libraries, OhioLINK negotiates better prices for resources than individual institutions.

OhioLINK also negotiates aggressively for library-related software and services. In 2016, OhioLINK reduced annual costs by 50 percent for all members for mission-critical library software, resulting in a savings of approximately \$1.5 million statewide per year for member institutions; a total of \$4.5 million cost savings over three years of the contract.

Annually, OhioLINK negotiates, invoices and manages published digital content worth \$43 million on behalf of its member libraries, a fraction of the multi-millions more that institutions would pay individually. Central management and negotiation also represent cost avoidances in staffing and administrative costs on individual campuses, most notably in OhioLINK's cataloging shared e-books and e-journals on behalf of all members.

**“Thanks @OhioLINK!
Couldn't do my work
without you!”**

— Miriam Matteson



OhioLINK NEGOTIATION PAYS OFF

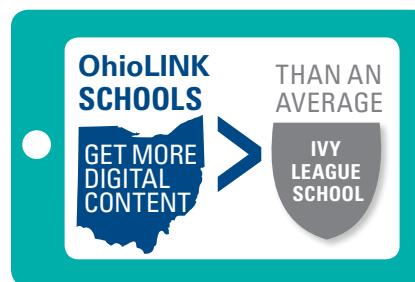
OhioLINK
INCREASES **3.2%**


NATIONAL
INCREASES **3.9%**

INDIVIDUAL
INSTITUTIONAL
INCREASES **5.5%**

These numbers are the average rate of increase for journals for the past year.

\$44 MILLION
IN AVOIDED COSTS
OVER THE PAST 5 YEARS



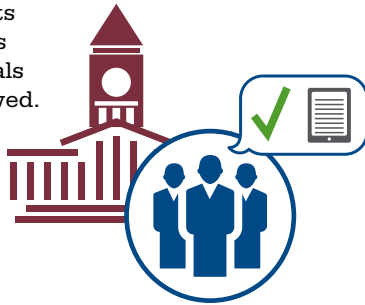
 **45,653,720**
items in Central Catalog
as of April 2017

**AVERAGE COST
STATEWIDE
\$70
PER STUDENT**



JOURNEY OF AN OHIOLINK ARTICLE

Subject matter experts from member libraries **decide** which eJournals are acquired or renewed.



Publishers (Wiley, Elsevier, Springer, Sage, ACS, IOP, ACM, OSA) make articles available through:

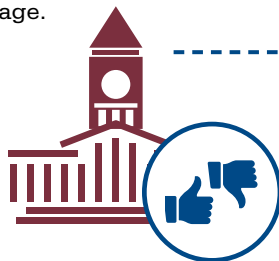


OhioLINK staff members **negotiate** with publishers for the best price and package.



OhioLINK **signs** the contract and **coordinates** authentication and access for all institutions.

Member libraries **vote** to accept, or reject, a publisher's offer.



The Publisher's Website



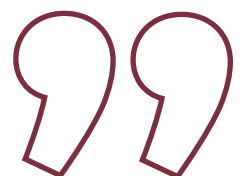
And OhioLINK's Electronic Journal Center (EJC), where OhioLINK staff **loads, verifies** and **maintains** content.



The articles can then be **accessed** by students, faculty and staff.



“Great resource, especially if you're looking for rare primary sources for research purposes, or other hard-to-find books.”



— Sydney C. Goggins

E-BOOKS:

KEEPING OUR SHARED COLLECTIONS CURRENT

Unlike print books, e-books purchased by individual institutions cannot be shared with other institutions. Yet more and more institutions are going “e-preferred” and the shareable pool of newer books is shrinking. To address the different licensing and cost factors for shared e-books, OhioLINK is developing a framework for a sustainable funding and allocation model for purchasing collections of interest to all its members. The goal is a relevant, transparent, equitable framework that is predictable and based on objective measures.

In May 2016, OhioLINK issued a request for proposal to investigate the feasibility and affordability of a new e-book platform. The current platform is a homegrown system into which some of OhioLINK’s shared licensed scholarly e-book content is loaded and made available for discovery. The new platform would replace the current Electronic Book Center with a visually attractive and modern interface for scholarly e-books that is easy to navigate, WCAG compliant, and mobile device compatible.

PRINT:

STEWARDING OUR PRINT RESEARCH COLLECTIONS

OhioLINK, in partnership with Ohio University, received a Library Services and Technology Act (LSTA) grant for a pilot project geared toward the next generation of mass print storage. This pilot project uses data analysis to identify, select and preserve unique print materials from Ohio’s Southeast Regional Depository to relocate approximately 40,000 unique and uncommonly held print monographs.

OhioLINK’s depositories hold more than 8.5 million important monographic and serial volumes. Using the Online Computer Library Center’s (OCLC) Sustainable Collection Services, OhioLINK and Ohio University identify unique items and relocate them to Ohio University’s Alden Library. The next phase will be determining the workflows that will lead to the most efficient use of depository space in a sustainable, cost-effective storage and retrieval model for legacy print scholarship.

LIBRARIES CONNECT OHIO:

Every five years, OhioLINK, OPLIN (the public library consortium), INFOhio (the K-12 library consortium), and the State Library of Ohio, with the help of a federal LSTA grant, contribute funding to license a suite of databases available to Ohio citizens. That suite includes EBSCO, Business First and Academic Search Complete, among many others.

In 2017, a team of members from each organization will decide on a new set of databases that:

- Cover general purpose information needs including general reference materials, business, consumer health information and current affairs.
- Are high-quality full-text databases that support workforce development, career choice, and tools for lifelong learning and certifications.

OHIOLINK HELPS FAMILY MANAGE TIME, EXPENSES

As a mom, Ivy Carlsen looks out for everyone, from her five kids and her husband to her classmates at Washington State Community College (WSCC) in Marietta. As she juggles the roles of parent, nurse technician and student, she uses any tool she can to save time and money.

That's why she, her husband and two of her children use OhioLINK to borrow textbooks instead of buying them. The statewide library consortium has resulted in significant savings—both in time and money—for the family. Carlsen estimated that the family has borrowed more than 50 textbooks through OhioLINK. This has saved the family more than \$3,000 on the cost of course materials, based on an average price of \$67 per item from the National Association of College Stores.

"You don't always have to go to Amazon.com and get your stuff. There's other ways out there to meet your needs," Carlsen said. "(OhioLINK has) almost everything we've ever needed."

Carlsen began taking courses at WSCC in 2011, and her husband followed in 2015 after their youngest child entered high school. Carlsen had been a stay-at-home mom but had dreamed of pursuing a career as an obstetrics nurse since her second daughter was born. It so happened that her husband was seeking a career change at the same time. He also chose to pursue nursing.

Both are set to graduate in May 2017. Carlsen has started working as a nursing tech in the obstetrics department of Camden Clark Memorial Hospital in Parkersburg, West Virginia. As she juggled a new career, classes, and her kids' activities, Mary Lou

Moegling, director of library services at WSCC, recognized Carlsen's need for OhioLINK.

"Borrowing OhioLINK books and textbooks has been a huge cost savings for this family of students," Moegling said. "I am grateful for OhioLINK for making this possible for them and our other Ohio students and faculty."

Carlsen credits Moegling for pointing her to the vast resources, both physical and online, OhioLINK provides.

"She's so attentive to the students and so helpful, and would do anything that she's capable of doing," Carlsen said. "If she can't do it, she'll find out who can."

The Carlsens often have 10 to 20 OhioLINK books checked out at a time among the four of them taking college courses. They will soon add a fifth student because Carlsen expects her daughter, a high school sophomore, will follow in her brother's footsteps, taking College Credit Plus courses for which she will need textbooks. They also make good use of OhioLINK's extensive journal collection to cite articles for class papers.

Carlsen not only looks after her own family, but she also looks out for those around her. When she is in class at WSCC or at the library, she makes sure others know that OhioLINK is available.

"If we happen to be at a computer together, I can actually show them how to access it and help them find articles," Carlsen said. "It's a huge tool." ◀



“Borrowing OhioLINK books and textbooks has been a huge cost savings for this family of students. I am grateful for OhioLINK for making this possible for them and our other Ohio students and faculty.

— *Mary Lou Moegling, director of library services
at Washington State Community College*

WHO:

Four members of the Carlsen family, who attend(ed) Washington State Community College

WHAT:

To save time and money, the Carlsen family used OhioLINK to borrow textbooks instead of buying them.

IMPACT:

OhioLINK saved the family more than \$3,000 on the cost of course materials, based on an average price of \$67 per item from the National Association of College Stores.



Wright State University

3D-PRINT PROSTHETICS

Bridget Fricke, a bioengineering student at Wright State University, and classmates designed and produced a prosthetic foot—customizable and scalable to the individual.

Due to the cost of 3D printing materials, industry standard information and research databases, the group got creative with its \$500 project budget. That's where library resources came in, including borrowing books from the Central Catalog and access to OhioLINK's rich research databases via Electronic Journal Center (EJC) access.

Fricke and classmates used a library process that helps students acquire industry standards for research projects. These provided guidelines from industry experts for creating the 3D foot. By using OhioLINK, the group identified industry standards it would need. It then submitted a prosthetic industry standards request through the Industry Standards Organization website and the Wright State University Library. The students' request was approved, saving them hundreds of dollars that went to purchasing materials for 3D printing.

FOR THE FULL STORY:

ohiolink.edu/BridgetFricke

University of Toledo

LUNG-CANCER PREVENTION

Working in the Willey Lab of the University of Toledo's College of Medicine and Life Sciences, Rose Zolondek is uncovering ways to pinpoint who is at risk for lung cancer. By identifying and screening high-risk people, doctors will be able to attack lung cancer in earlier stages, vastly increasing survival rates.

OhioLINK's EJC is a powerful player in Zolondek's research.

Zolondek said an individual in a lab accesses about 200 papers a year at \$30 per article, meaning journal articles could easily cost a student over \$1,000 per year.

Zolondek is studying single nucleotide polymorphisms, or SNPs, which are changes in single nucleotides, or DNA building blocks.

Risk of lung cancer varies depending on inherited genetics and on environmental exposures. Identifying which DNA sequences put us at risk for diseases such as lung cancer can lead to identifying and screening those at high risk for the disease. Screening allows doctors to find and remove tumors at an earlier stage.

FOR THE FULL STORY:

ohiolink.edu/RoseZolondek



Ohio University

SMARTER MARKETING

Alexa Fox, Ph.D., assistant professor of marketing at Ohio University, researches how consumer behavior is affected by the interaction of user- and company-generated content in digital marketing.

Fox weaves physiological measurements of cognition and emotion into her research through real-time eye tracking and automated facial expression analysis. This allows her a better understanding of the body's natural responses during a decision-making process, painting a full picture of the consumer.

While Fox teaches upperclassmen in her consumer behavior courses, she finds they still have a thing or two to learn about finding primary sources for their research, especially to stay on top of the ever-changing world of marketing research. Fox encourages students to take advantage of Ohio's library system.

"I don't know if people always realize how many schools are in Ohio," Fox said. "There is so much power to be offered by the different institutions that can share those resources in Ohio."

FOR THE FULL STORY:

ohiolink.edu/AlexaFox



Miami Tribe & Miami University

REVITALIZING CULTURE

As a linguist and cultural preservationist, Daryl Baldwin has dedicated his life to revitalizing the language and culture of his ancestors, the Miami Tribe of Oklahoma. As the director of the Myaamia Center, a joint venture between the Miami Tribe and Miami University, he has worked to develop the culture- and language-based educational materials and programs for the tribal community.

The Myaamia Center receives documents, research and artifacts about the Miami Tribe's history. These items can be jointly curated by Miami University and the Miami Tribe. The Myaamia Center partners with the archives section at the Miami University Library—a charter OhioLINK member.

Research efforts of those at the Myaamia Center are crucial to producing content for language and culture revitalization for the Miami tribe. Many of the available titles can be requested via OhioLINK's central catalog for delivery to OhioLINK and SearchOhio libraries. The ETD Center has several open access documents for download on the topics of Myaamia lunar calendars, ethnobotany, and mapping.

FOR THE FULL STORY:

ohiolink.edu/DarylBaldwin



The Ohio State University

A STUDY IN NUMBERS

Hali Finrock, a sophomore math major at The Ohio State University at Lima, dove into an interesting personal project to discover how numbers were shaped and how our numbers system evolved.

Using a collection of books ordered through OhioLINK, she discovered mathematicians in India invented the Hindu-Arabic numerals, later simply called Arabic numerals in Europe.

After the walk through the evolution of numbers, Finrock visited Ohio State's rare books and manuscripts to view some fascinating documents. One in particular was a single-page fragment from a late 15th- or early 16th-century large lectern-style Bible kept in a monastery in the Netherlands.

Students at regional campuses like OSU-Lima benefit greatly from what OhioLINK offers. There are 27 regional campuses of public universities that participate in OhioLINK either as members or as part of a system. Branches of two-year and independent schools are also members of OhioLINK, bringing that number of regional campuses up to 60.

FOR THE FULL STORY:

ohiolink.edu/HaliFinrock










Oh, @OhioLINK, how extensive your collection is. Such a great system!"

— Alexa Fox





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of the Ohio Department of Higher Education.

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