Connecting Ohio Higher Education to the World of Information

Snapshot 2005
**The Only Affordable Approach to Expanded Information Access**

Since 2001, OhioLINK and Ohio library budgets have either been reduced or relatively stagnant. As a result, new initiatives have been curtailed, existing scholarly resources were reduced in 2005, and a membership fee was instituted for the first time. However, the benefits that the OhioLINK program has demonstrated over its 13 years of operations warrant its continued support and expansion.

**Cost-Effectively Delivering More Information**

The purchasing efficiencies of OhioLINK have resulted in expanded access to the latest scientific research across the state. The effectiveness and quality of research and instruction have improved as a result. With the financial resources to maintain and further expand cost-effective access to the latest scholarly information, we can contribute to the development of a competitive Ohio economy.

**Increasing Buying Power, Reducing Cost Increases**

Combining OhioLINK and library funds into statewide action has proven to be the only affordable approach to providing robust access to an expanding universe of scientific information. We have multiplied our journal buying power by more than fourfold at Ohio's major universities. Additionally, OhioLINK has greatly reduced the rate of rise in information costs compared to the general marketplace.

**Supporting Higher Education and the State**

OhioLINK's combined annual operating and capital funds have increased only 110% in 10 years, while the annual levels of information delivered to serve the needs of Ohio's research institutions have grown astronomically. OhioLINK remains a highly cost-effective and necessary approach to creating and supporting a 21st century higher education system and state economy.

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**OhioLINK Milestones: Important Dates**

- 1992: Library Catalog Launches
- 1998: E-Journal Center Live
- 1999: Digital Media Center Live
- 2000: First E-Book Collection Debuts
- 2001: Electronic Theses & Dissertations Center Live
- 2002: Chat with a Librarian Begins

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**Where Do OhioLINK Expenses Go?**

![Graph showing expense distribution](image)

**Putting Funds to Work: Growth in Services Provided Versus Growth in Appropriations**

<table>
<thead>
<tr>
<th>Service</th>
<th>1994</th>
<th>2005</th>
<th>% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Journal Articles Downloaded</td>
<td>206,000</td>
<td>12,900,000</td>
<td>6162%</td>
</tr>
<tr>
<td>Filled Interlibrary Loans</td>
<td>61,170</td>
<td>747,600</td>
<td>1122%</td>
</tr>
<tr>
<td>Total Searches</td>
<td>2,661,500</td>
<td>32,100,000</td>
<td>1106%</td>
</tr>
<tr>
<td>Databases</td>
<td>18</td>
<td>132</td>
<td>633%</td>
</tr>
<tr>
<td>Library Catalog Holdings</td>
<td>7,000,000</td>
<td>27,500,000</td>
<td>293%</td>
</tr>
<tr>
<td>Library Catalog Master Records</td>
<td>2,760,000</td>
<td>9,670,000</td>
<td>250%</td>
</tr>
<tr>
<td>Total Digital Media Downloads</td>
<td>0</td>
<td>313,940</td>
<td>N/A</td>
</tr>
<tr>
<td>Institutions Served</td>
<td>28</td>
<td>85</td>
<td>204%</td>
</tr>
<tr>
<td><strong>Combined Appropriations</strong></td>
<td><strong>$5,180,000</strong></td>
<td><strong>$10,881,000</strong></td>
<td><strong>110%</strong></td>
</tr>
</tbody>
</table>
In spite of tightening financial resources, the OhioLINK community continued its commitment to expanding resources and services. In 2005, OhioLINK added:

- **More databases**: OhioLINK users and all Ohioans gained access to LearningExpress Library and American National Biography in July, thanks to Libraries Connect Ohio. LCO is a collaborative effort of OhioLINK, OPLIN, INFOhio, the State Library of Ohio and other Ohio library organizations.

- **More digital videos**: The Digital Video Collection now contains 1,520 educational videos that support instruction and research. More than 400 videos were added in 2005.

- **More public library resources**: OhioLINK began its second public library pilot project with Westerville Public Library (WPL) in April. Now OhioLINK users can borrow books from WPL and Cuyahoga County Public Library. In return, users at both public library systems gain access to the 27.7 million items held by OhioLINK libraries.

- **More digital media**: Users can now hear eyewitness accounts of the May 1970 shootings of Vietnam War protestors at Kent State University via the Kent State Shootings Oral Histories collection, which was added in May.

- **More e-books**: Seventy-one titles were added to OhioLINK’s Electronic Reference Books Collection in 2005. The collection now contains 457 encyclopedias, handbooks, biographical collections and guides.

- **More renewals**: OhioLINK books can now be renewed up to four times, allowing users to keep materials for up to 15 weeks, as long as another user has not requested the item.

- **Fewer missing articles**: In September, OhioLINK unveiled the new Serials Check In and Claiming System, which helps OhioLINK staff comprehensively identify missing issues in the Electronic Journal Center and request replacements. Users can also use the system to check the status of missing issues.
The OhioLINK program is a leader in expanding information access through the emergence of electronic books. Growing use of a diverse, multi-publisher collection of more than 19,000 titles already demonstrates the users’ strong desire to select and use e-books. Though the e-books collection is still in its infancy, users have shown that they will use almost all available e-book titles. E-books offer a more affordable means of providing expanded access to high-demand materials such as the very popular information technology titles. Electronic access is especially important for IT titles, as few libraries can afford to comprehensively collect these frequently published and updated titles.

The OhioLINK e-book collection is expanding slowly due to budget constraints. Plans remain to expand access, if it is affordable, in this highly effective program.

OhioLINK Revolutionizes Private College Library

“Being a member of OhioLINK has revolutionized our library. With basically the same budget as we had in 1996, the year we joined the consortium, we are now able to offer our students and faculty electronic access to the full text of more than ten times the number of journals that we owned in print that year. It’s no wonder then that our being a member of this, one of the best library consortia in the world, has drawn rave reviews not only from students, but also from budget-conscious administrators. Being a member of OhioLINK has also become a major drawing card for prospective faculty members. I don’t know where we’d be without it.”

Paul O. Jenkins
Director of Library Services
College of Mount St. Joseph

OhioLINK E-Book Collections In Brief

1 Information Technology E-Books

2005 Statistics:
E-Books Available: 3,400
Number of Titles Used: 3,400
Number of Information Accesses: 939,330
(Includes topics, terms and sections of the available books.)

2 Scholarly E-Books
The netLibrary collection contains thousands of current e-books on many academic subjects.

2005 Statistics:
E-Books Available: 15,018
Number of Titles Used: 15,013
Number of Title Accesses: 162,527
(Includes definitions, quotations, maps, illustrations, quick facts, historical dates, timelines, etc.)

3 General Reference E-Books
The Electronic Reference Books Collection, published by ABC-CLIO, contains encyclopedias, handbooks, biographical collections and guides on many specialized topics, primarily in the humanities and social sciences. The Oxford Reference Online collection includes 100+ dictionaries, general reference, language reference, and subject reference works from Oxford University Press.

2005 Statistics:
E-Books Available: 603
Number of Information Accesses: 106,300
(Includes definitions, quotations, maps, illustrations, quick facts, historical dates, timelines, etc.)
The large and diverse OhioLINK Library Catalog continues to foster a high level of book utilization. It is also being used to increase access to audio and video materials. The benefit of the catalog is clearly seen as online borrowing showed strong, uninterrupted growth in 2005. Half of this growth is the result of borrowing by Cuyahoga County Public Library and Westerville Public Library users.

Growth in academic library collections continued to slow for a fourth straight year and was the lowest in OhioLINK’s 13-year history. The long-term value of the OhioLINK Library Catalog is dependent on continued additions of new titles that can be shared across the state.

Undergraduates Borrow More Through OhioLINK

Undergraduates’ continued use of online borrowing is a special program achievement. Traditionally, undergraduates rarely used interlibrary loan, but they continue to account for a larger percentage of overall OhioLINK online borrowing.

Catalog Helps Local Libraries Diversify Collections

In 2005, the OhioLINK Library Catalog included Ohio’s 17 public/research universities, 23 community and/or technical colleges, the State Library of Ohio, 44 independent colleges, two public libraries and the Center for Research Libraries. This statewide collection now includes more than 9.67 million unique records representing 27.5 million library holdings across the state. Access to the catalog allows participating libraries to diversify their collections by purchasing items not already held within the system, instead of purchasing duplicate copies of low-demand items.

OhioLINK libraries continue to evolve techniques for cooperative collection development in order to buy the broadest possible set of research and scholarly books with limited or decreasing acquisition budgets.
**OhioLINK Succeeds Where Google Fails**

“I was assigned a project to do research on an ancient myth and find modern adaptations of that myth; the catch was that everything that I found had to be scholarly and well attributed. I tried every trick I knew to find scholarly sources: I searched my whole school library from top to bottom, I Googled the name of the story at least seven times, I even went through every journal that I could find on arts and humanities, and I got nowhere! Finally, my librarian taught me how to find sources on OhioLINK and within a few minutes I found the perfect source: a college dissertation that had all the data I could ever need. Without OhioLINK, I might have been searching for days or have been forced to change my entire assignment.”

Paul Rycik  
Undergraduate Student  
Ashland University
OhioLINK Enriches All Libraries, Benefits All Users

Since 1994, the year online borrowing began, OhioLINK borrowing and lending rates have remained steady and demonstrate a healthy exchange of library resources. The OhioLINK program does not raid major university library collections. In fact, major universities not only lend, but also borrow the most library items. The OhioLINK program enriches all its affiliated libraries by enabling quick and easy borrowing and lending between the college and university communities.

OhioLINK’s pilot projects with public libraries demonstrate the mutual needs and benefits of sharing library materials among the academic and public library communities.

OhioLINK Vital to Regional Campus Professors & Students

“As a tenure-track professor, I rely on OhioLINK’s online databases for most of my research (both for initial searches and loan materials). Because of regional campus locations and teaching loads, regional campus professors who are working on research and publication would be effectively hamstrung were our OhioLINK resources diminished in any way. Moreover, our students—whose work loads and family responsibilities typically far exceed those of ‘traditional’ students—need to have easy access to scholarly information or they are deprived of quality resources that enhance their understanding of academic fields and cutting-edge research.”

Noelle Bowles, Ph.D.
Assistant Professor, Department of English
Kent State University, Trumbull Campus
Use of OhioLINK databases by students and faculty continues to increase. This indicates the need not only for the current collection, but also for additional databases to support all areas of scholarship, including the arts, humanities, business and the sciences.

New Databases Acquired Through Collaboration

Growth in databases over the past several years has been the result of additions to the Digital Media Center (images, audio and video files) and collaborative licensing efforts with the Ohio Public Library Information Network (OPLIN), the Information Network for Ohio Schools (INFOhio), and the State Library of Ohio. Among these is a set of databases funded by federal Library Services and Technology Act funds only through mid-2008. In 2005, OhioLINK cancelled its subscription to one database, due to budgetary limitations.

Fact: Scholarly Resources Have Never Been Free

A prevalent myth today is that all information is free on the Internet via Google and other search engines. The fact is that reliable, scholarly resources have never been free. Authoritative research resources, whether in print or electronic form, remain the core of academic scholarship and these resources can only be licensed from commercial publishers. Furthermore, licensing a collection centrally, for statewide access, continues to be the most cost-effective means of providing expanded access to scholarly information.
Users continue to gain better access to the full-text articles they seek through more integration between citations, articles, images and other data types. OLInks, OhioLINK’s linking service, links users to 12,000+ commercially licensed journals, hundreds of open-access journals and holdings in the OhioLINK Library Catalog. This year, OLInks was incorporated into Google Scholar, Google’s specialized search engine for scholarly research. Now, whether users start their search from Google Scholar, the OhioLINK Web site or their library’s Web site, they can access the reliable, scholarly resources that OhioLINK has already purchased. In addition, many of the citation databases use a single interface, simplifying their use. Users can also access multiple databases in their area of interest via a single search and receive online help.

Users Continue to Download More Full-Text Documents

In 1995, the OhioLINK program first delivered electronically-stored, full-text general interest articles to users via library print stations. Today, with the World Wide Web, users receive electronic delivery straight to their desktop. As OhioLINK expands its diverse collection of full-text resources, document downloads continue to grow. In 2005, at least 16.8 million documents, of all types, were downloaded.

Student Saves Time, Does Research at Home Via OhioLINK

“Thank you especially for the electronic journals, which I can access at home and print off articles for research interests and various assigned papers. I have a small child at home and trips to the library can be time-consuming and difficult with a tot in hand. OhioLINK allows me to make efficient use of my time at home. The OhioLINK databases get to the heart of my interests, while still helping me uncover some unexpected jewels along the way.”

Shayna Bach
Graduate Student, Nursing
Case Western Reserve University
Since 1995, use of OhioLINK-delivered, full-text, research journal articles has continued to climb. This is true across the scholarship spectrum, from the undergraduate student searching the EBSCO databases for general scholarly articles to complete an English composition paper, to the faculty member using peer-reviewed articles from the Electronic Journal Center to support her cutting-edge research. OhioLINK users continue to have an insatiable demand for full-text, electronic articles.

Traditionally, Ohio’s major universities hold an average of only 25% of the available scholarly research journals, with independent and community colleges having much less. Given the opportunity for direct desktop delivery, university students and faculty will use, on average, more than 80% of the available journals. This is a much wider range than is available on each campus through individual library purchases. Patrons of independent colleges use five times more journals than traditionally available, while patrons of community colleges use more than 20 times the amount available in print. From Ohio’s largest research university to the smallest community college, all institutions have benefited from cooperative electronic journal purchasing.

OhioLINK Helps Undergrads Succeed in College

“OhioLINK is the most valuable and strongest search tool I have ever used. It has helped me successfully meet the academic rigors of college research and paper writing.”

Jesse Lewin
Undergraduate Student, Kenyon College

Faculty and Students Thirst for Journals Shows No Bounds

Institutions of All Types Use Scholarly Journals
EJC Quadruples Higher Education's Journal Buying Power

With more than 6,400 titles, the OhioLINK Electronic Journal Center (EJC) has more than quadrupled the buying power of Ohio higher education for 96 publishers (commercial and noncommercial) across a wide range of disciplines. The $24 million invested in EJC statewide licenses is equivalent to $102.8 million if purchased individually by our universities and a much larger amount if applied across all smaller colleges. OhioLINK users continue to utilize materials from all publishers in the EJC, even as new publishers are added.

OhioLINK Makes Mathematician’s Research Life Easier

“I have been a postdoctoral researcher in mathematics at The Ohio State University for the years 2002-2005. Having suffered through slow, awkward systems in other states, I can say without exaggeration that OhioLINK has made my research life easier more than any other single resource at Ohio State. Mathematicians don’t need a lot of physical support (I don’t even use a computer except for e-mail), but we do need access to the literature, the more the better. With publishers doing a poor job keeping prices low and keeping the literature in print, and with library budgets under stress, it seems to me that we will be increasingly dependent on systems like OhioLINK.”

Andrew McIntyre, Ph.D.
Zassenhaus Assistant Professor, Mathematics
The Ohio State University

OhichioLINK Milestones: Number of Publishers in the Electronic Journal Center

1998: 42
2001: 71
2003: 96

Connecting Ohio Higher Education to the World of Information
**EJC Represents Core, But Requires More Funding**

The current Electronic Journal Center collection represents a significant core, but many scholarly journals remain beyond our reach. With the restraints in higher education funding, the future progress of this unparalleled resource is in jeopardy. In 2005, 400 titles were cut from two publishers in response to budgetary pressures.

**Plans to Expand EJC to Support Statewide Initiatives at Risk**

Plans to expand the EJC in order to support statewide Third Frontier initiatives and to better support science, math and technology programs, have not been acted upon due to insufficient funding.

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**OhioLINK Attracts Scholars to Ohio, Helps Combat Brain Drain**

“After three years of graduate work in Washington, D.C., I decided to return home to Ohio to complete my Ph.D. dissertation. Many of my peers questioned how I would be able to tap into enough academic resources to complete the project. As I had made frequent use of OhioLINK’s resources while an undergraduate at Xavier University, I knew that the resources available to me in Ohio often surpassed those available in the Washington, D.C. area academic libraries—a shocking assertion to many of my East Coast peers! OhioLINK is a major force in attracting scholars and keeping them here at home.”

David J. Endres  
Graduate Student  
The Athenaeum of Ohio/Mt. St. Mary’s Seminary
OhioLINK delivered its first images through the Digital Media Center (DMC) in August 1999. OhioLINK continues to be a pioneer in building statewide multimedia collections to support instruction and research with digital art and architecture images, educational videos, historic maps, archival materials, satellite images and more.

**DMC Showcases Institutional & Commercial Collections**

The DMC’s diverse collections are from both commercial services and Ohio colleges and universities. This year, the Kent State Shootings Oral Histories collection was added to the DMC. In addition, 400 videos were added to the Digital Video collection (DVC). The DVC provides digital educational videos that may be downloaded or streamed over the Internet. The DVC makes it easy to share educational videos statewide and allows faculty to incorporate the videos into their instruction of both on-campus and online students.

**DMC Collections Just Tip of Iceberg of Available Content**

The current Digital Media Center collections represent just the tip of the iceberg. Vast collections held in Ohio’s colleges can benefit Ohioans through electronic access. The Digital Resource Commons—the next generation DMC—will be available in 2006 and will provide a cost-effective means for institutions to store, access and preserve their educational, research, historic and creative materials instead of creating duplicative and costly local systems.

**Fast Facts: Most Popular Digital Videos in 2005**

1. **Technological Changes** (Global Business series)
2. **Indus: The Unvoiced Civilization** (Messages from the Past series)
3. **The History of Computers**
4. **Seeds of Change** (The Century: Decades of Change series)
5. **Sugar and Spice: The Facts Behind Sex Differences** (Brain Sex: Brain Architecture series)
Digital Media Center Enables Art Professor to Teach Digitally

“I first learned about OhioLINK in 2001. I had just finished my doctorate at Princeton and had accepted my current position. My goal was to teach all of my courses digitally rather than with 35mm slides.

I was simply amazed to discover OhioLINK’s fantastic collection of online historical art images in the Digital Media Center’s Art and Architecture Database. This database was and is an incredibly important resource for me. My students and I have used it nearly every day since then, and I have accomplished my goal.

Furthermore, there were not in 2001, and still are not today, that many art historians who teach entirely digitally. I have thus given numerous presentations about my teaching philosophy and methodology. But it was the reaction to my 2002 conference paper held at the British Academy in London, which gave me the greatest appreciation for OhioLINK. People from all over the world were asking me: ‘Can we join?’

I knew right then in ways that I’ve only come to appreciate more and more that we’ve got something really special here in Ohio. Thanks for creating OhioLINK. I don’t want to imagine life without it.”

Andrew E. Hershberger, Ph.D.
Assistant Professor of Contemporary Art History
Bowling Green State University
**Things to Come in 2006**

- **Initial testing of the Digital Resource Commons**—the next generation Digital Media Center. The DRC will provide a cost-effective means for institutions to store, access and preserve educational, research, historic and creative materials instead of creating duplicative and costly local systems.

- **New multi-database searching options**: In 2006, OhioLINK will replace the current Subject Cluster Search with a new tool that will provide expanded multi-database searching capabilities and options.

- **Expanding the Digital Video Collection**: In 2006, the Digital Video Collection will evolve into a multi-publisher collection with the addition of new videos from Ambrose Video Publishing.

- **Continued expansion of the OhioLINK e-books program** with the addition scholarly e-books from a new publisher.

- **A new pilot project with Upper Arlington High School** will facilitate resource sharing between Ohio’s public, school and academic libraries. The pilot project will gauge how access to academic library materials can help better prepare high school students for college.

- **Updating the OhioLINK interfaces** for both resources and the Web site.

**OhioLINK Snapshot 2005**

**OhioLINK Governing Board**
- John Anderson, Case Western Reserve University
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- Michael Field, Shawnee State University
- Alan Goodridge, University of Toledo
- Jeffrey Herbst, Miami University
- David Hopkins, Wright State University
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- Roderick G. W. Chu, Chancellor, Ohio Board of Regents
- Charles Morrow-Jones, The Ohio State University
- Tom Sanville, Executive Director, OhioLINK
- E. Garrison Walters, Ohio Board of Regents

The OhioLINK Snapshot is available in print and online at [www.ohiolink.edu/about/publications.html](http://www.ohiolink.edu/about/publications.html).

Candi Clevenger, Editor

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**Things to Come**

**Physician Relies on OhioLINK for Patient Care Decisions**

“I’ve been an academic physician for 11 years. As a practitioner and teacher of evidence-based medicine, it has been extremely valuable that I have real-time access to the medical literature via the OhioLINK EJC to help in patient care decisions. I have real-time access to the medical literature via the OhioLINK EJC to help in patient care decisions. It saves me time as I also can download most references as they are typically available in the EJC. The interlibrary loan function also has been extremely valuable.”

Gerald E. Crites, M.D., M.Ed.
Associate Professor,
Internal Medicine
Wright State University
The Ohio Library and Information Network is a consortium of Ohio's college and university libraries and the State Library of Ohio. The program, which is an initiative of the Ohio Board of Regents, began offering services in 1992.

**OhioLINK benefits higher education by:**
- Maximizing Ohio's academic library collections
- Dramatically increasing information access at small and large institutions
- Delivering exceedingly cost-effective access to information
- Increasing Ohio's ability to prepare students and researchers for the information age