ScholarWorks@UARK showcases the research, scholarship, and creative work of the University of Arkansas community. By making this content open access, the institutional digital repository offers the knowledge produced by faculty, staff, students, and affiliates without charge to users around the world. This report documents the repository’s growth and the increasing use of its content during Fiscal Year 2017, 1 July 2016 - 30 June 2017 (FY 2017). For in-the-moment data on holdings and usage, please see the map and the colorful graphics on the homepage, ScholarWorks@UARK.

ScholarWorks@UARK is a joint venture of the University Libraries and the Office of Research and Economic Development.

Executive Summary
During FY 2017, the number of items in ScholarWorks@UARK increased by 361% (6,186 as of 30 June 2017 compared to 1,715 as of 30 June 2016). Usage also rose significantly, with a 461% increase in the number of downloads (176,627 for FY 2017 compared to 38,300 for FY 2016) and a 323% increase in the number of hits (25,441 for FY 2017 compared to 7,878 for FY 2016). Graphs A through D, found at the end of this report, vividly illustrate these trends.

These numbers result from the addition of an undergraduate research journal and new collections of teaching material as well as the completion of the back issues of the Journal of the Arkansas Academy of Science, the full run of undergraduate honors theses for 2005-2017, and graduate theses and dissertations for 2009-2012 and 2015-2017. We are currently uploading graduate theses and dissertations for 2013 and 2014.

The Office of Scholarly Communications (OSC), which manages the repository, moved into a newly renovated suite and hired a second hourly employee, bringing the total number of personnel to two FTE's and two hourlies.

In FY 2018, the OSC will continue to expand the volume and scope of content in ScholarWorks@UARK by forging partnerships with organizations dedicated to research and teaching both across campus and around the state.

Supporting the Chancellor’s Eight Priorities
Through ScholarWorks@UARK, the University Libraries and the Office of Research and Economic Development support the Chancellor’s priorities related to educating students and fulfilling our responsibilities as Arkansas’s premier university.

Priorities: Reaffirming Our Land-Grant and Flagship Responsibilities

ScholarWorks@UARK makes the research, scholarship, and creative work of the U of A community available to the citizens of the state, the region, and the nation. At the same time, by partnering with organizations such as the Arkansas Academy of Science and the Arkansas Natural Resources Law Institute, we extend two-way channels into every corner of the state.
Priorities: Advancing Student Success; Strengthening Graduate Education; Promoting Innovation in Teaching and Learning

The repository hosts open access teaching materials in a variety of media. It also hosts student work, thus giving students incentive to excel whether they are writing an honors thesis, publishing an article in a student research journal, or shooting photographs during a Study Abroad trip. By making such a diverse selection of scholarship and creative work accessible online, the repository helps to attract the most promising prospective students. In addition, a graduating student who deposits work in the repository can share the link not only with family and friends but also with future employers and graduate school admissions officers.

Current Collections

The collections in ScholarWorks@UARK emphasize teaching materials, student work, and research produced by Arkansas organizations.

Teaching Materials

In support of the University Libraries’ effort to promote the development and use of open education resources, we are recruiting teaching material produced by U of A instructors and affiliates. Examples:

* Chemistry at Work The repository hosts the first in the series of videos, with supplemental animations and study questions, which Wesley Stites, Professor of Biochemistry, intends to produce.

*Documentaries about Arkansas history and the Arkansas environment At present, the repository hosts six films produced by the award-winning journalist and filmmaker Larry Foley, Professor of Journalism.

Student Research and Creative Work

The repository boasts the graduate theses and dissertations for 2009-2012 and 2015-2017 as well as the full run of undergraduate honors theses, for the U of A schools and colleges which require deposit, for 2005-2017. We are currently uploading graduate theses and dissertations for 2013 and 2014. Please refer to Graphs C and D. Other collections of undergraduate work include:

*Inquiry: The University of Arkansas Undergraduate Research Journal Professor Fred Spiegel, Director of the newly created Office of Undergraduate Research, serves as the editor for this semi-annual journal.

*Study Abroad Photo Contest Study Abroad and International Exchange sponsors this annual contest for students; web visitors can view all the winners from 2014, 2015, and 2016.

Research Produced by University of Arkansas Centers, Faculty, Staff, and Affiliates

ScholarWorks@UARK hosts a directory of patents granted to faculty, researchers, and staff at the University of Arkansas, Fayetteville, from 1976 through the present. Individual faculty have not yet contributed much to the repository, but we are working with the School of Law and the Department of Political Science to create a SelectedWorks profile for each faculty member within these units.
**Research Produced by Arkansas Organizations**

The *Journal of the Arkansas Academy of Science*, an annual volume compiling the peer-reviewed papers presented at the previous year’s meeting, advances the Academy’s goal of promoting science within the state and broadly disseminating the work of Arkansas scientists in disciplines ranging from the biomedical and natural sciences to math and computer science. The *Annual of the Arkansas Natural Resources Law Institute* contains papers presented at the annual meetings of the Institute (formerly known as the Arkansas Oil and Gas Institute). With the assistance of the U of A School of Law Library and the University Libraries’ Digital Services Unit, we have posted 107 of the 472 articles published from 1962 through the present. We will continue posting the remaining articles as we clear permissions for them.

**Holdings and Usage Statistics**

During FY 2017, we added 4471 individual items to ScholarWorks@UARK, representing a 361% increase and bringing the total holdings to 6,186 items. Collections in the repository now include contributions from every one of U of A’s seven colleges and schools. Usage also rose significantly. FY 2017 saw 176,627 downloads (i.e., number of times web visitors downloaded an item), representing a 461% increase over FY 2016, and 25,441 hits (i.e., number of times web visitors viewed the metadata for an item), representing a 323% increase over FY 2016. Graphs A and B vividly detect this extraordinary growth in holdings and usage.

**Future Prospects**

We make an ongoing effort to publicize ScholarWorks@UARK and encourage all members of the campus community both to use materials in the repository and to deposit their own work. During the Spring 2017 semester, for example, Melody Herr visited every department chair in College of Engineering who consented to meet with her. She gave a presentation for the Department of Biological and Agricultural Engineering faculty and for the School of Law faculty. In August 2017, the Office of Scholarly Communications will host a table at each of the orientations for faculty and graduate students. During the Fall 2017 semester, we will continue our campaign to call on every department and research center.

We are pursuing the following prospects, but please note that this list is not comprehensive.

**Teaching Materials**

During the 2017-2018 academic year, we expect Professor Stites to submit more videos for the series "Chemistry at Work." Not only will we continue adding Professor Foley's films, but we will also begin posting Professor Dale Carpenter's documentaries. We've offered to host the teaching materials produced through University Libraries' Open Educational Resources program, and we are currently working with the Arkansas Teacher Corps to deposit the instructional materials used to train ATC fellows before they enter classrooms across the state.

**Student Research and Creative Work**

We will, of course, continue building the collections discussed above and hosting *Inquiry*. Conversations with the editor of *Discovery: The Student Journal of the Dale Bumpers College of Agriculture* were promising; we await approval from the College and the Division of Agriculture to proceed with acquiring the journal's back issues (2000-present) and hosting future issues.
Research Produced by University of Arkansas Centers, Faculty, Staff, and Affiliates

We have begun gathering the publications of the Arkansas Water Resources Center (AWRC). We intend to post nearly 400 reports, from the mid 1970s through the present, during the fall semester; we can then explore other ways in which the repository can amplify AWRC's research and outreach programs. Also, George Sabo, Director of the Arkansas Archeological Survey (AAS), expressed interest in contributing some of the Survey's publications. We are now waiting for the AAS leadership's approval.

Continuous Improvement

The success of ScholarWorks@UARK requires continual upgrading and improvement of systems and procedures which ensure cost-effective, efficient, and user-friendly operation. It also requires continual monitoring to ensure that systems and procedures align with the profession’s best practices, U of A policies, and all applicable laws. For example, we developed a submission form which ensures that the posting of a video does not infringe upon rights or permissions granted to other parties. As another example, Cedar Middleton, Institutional Repository Coordinator, collaborated with administrators in the Honors College to perfect the undergraduate honors thesis submission process. She also collaborated with Graduate School administrators to revise the thesis/dissertation submission forms so that they better align with ProQuest's forms.

In March 2017, the Office of Scholarly Communication moved into a newly remodeled suite in Mullins 225. Around the same time, we hired an additional hourly employee, bringing the total staff to two FTE's and two hourlies.

With new facilities, increased staff, and many prospects on the horizon, we look forward to the continuing growth – and continuing success – of ScholarWorks@UARK in FY 2018.

Melody Herr, Head, Office of Scholarly Communications
Cedar Middleton, Institutional Repository Coordinator
Khandi Gordon, Institutional Repository Assistant
Deena Owens, Institutional Repository Assistant
Graph A

ScholarWorks@UARK Total Usage of All Holdings by Month, FY 2017
1 July 2016 through 30 June 2017

**Items** – includes all items in ScholarWorks and SelectedWorks; each journal article counts as an individual item

**Total Usage** – downloads plus hits
  - **Download** – web visitor downloaded the file
  - **Hit** – web visitor viewed the description of the item but did not download the file
**Graph B**

ScholarWorks@UARK Total Usage of Holdings by College, FY 2017  
1 July 2016 through 30 June 2017

- **Items** – includes all items in ScholarWorks
- **Total Usage** – downloads plus hits
  - **Download** – web visitor downloaded the file
  - **Hit** – web visitor viewed the description of the item but did not download the file
Graph C

Graduate Theses/Dissertations by College, Life-to-Date Holdings and Downloads as of 30 June 2017

**Items** – includes only graduate theses/dissertations

**Download** – web visitor downloaded the file
Graph D

Undergraduate Honors Theses, by College, Life-to-Date Holdings and Downloads as of 30 June 2017

- **Items** – includes only undergraduate honors theses
- **Download** – web visitor downloaded the file