

University of Arkansas, Fayetteville

ScholarWorks@UARK

Institutional Digital Repository Annual Progress
Report

Libraries

7-2020

The University of Arkansas Institutional Digital Repository annual progress report, July 2020

University of Arkansas, Fayetteville. Libraries

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ScholarWorks@UARK
The University of Arkansas Institutional Digital Repository
Progress Report for 1 January through 30 June 2020

Submitted 8 July 2020

Executive Summary

[ScholarWorks@UARK](#) advances the University of Arkansas's land-grant mission by making the research, scholarship, and creative activity of the Fayetteville campus community available without charge to web visitors everywhere. The repository also partners with non-profit and state-affiliated organizations to make their work more discoverable and accessible. The repository is managed by the Office of Scholarly Communications (OSC) and jointly sponsored by the University Libraries and the Office of Research and Innovation. This report covers developments from 1 January through 30 June 2020 in the following areas:

- holdings and usage
- new collections and serials
- promotion and publicity
- process improvements
- professional development

Holdings and Usage

During this six-month period, ScholarWorks@UARK saw a notable increase in usage: 609,027 downloads and hits compared with 364,563 for 1 July through 31 December 2019. In other words, total usage rose by 67%. (Please refer to Figure A, which covers FY2020.) Figure B shows life-to-date usage and items contributed to the repository by college. During the first half of 2020, Arts and Sciences took first place in life-to-date usage (downloads) and life-to-date deposits. Figure C shows life-to-date downloads and deposits of graduate theses and dissertations by college. Arts and Sciences leads in terms of downloads and number of theses/dissertations. Figure D shows life-to-date downloads and deposits for undergraduate honors theses by college. Here, Engineering dominates with the number of downloads and number of theses.

The world map (Figure E) illustrates the geographic distribution of the repository's users between 1 January and 30 June 2020. Users came from 222 countries from all over the globe. Please see the live map on the [ScholarWorks@UARK home page](#). The pie chart (Figure F), covering the same time period, shows that users represented 16,506 institutions; 26% of these were educational institutions.

New Collections and Serials

The repository's featured collections include a patents directory, undergraduate theses, graduate theses and dissertations, the publications of research centers and institutes, and journals and other serials. (See "Featured Collections" below.) We began hosting the [Music Department Concert Recordings](#), which will eventually cover 2012 through the present, and the brand-new [Diamond Line Undergraduate Literary Magazine](#). As the campus moves to the virtual world,

we're making classes, exhibits, and conferences more discoverable and providing our clients with usage statistics. We posted the [Honors College Pandemic Course](#) (May 2020), featuring an interdisciplinary lineup of prominent speakers, and the online exhibit [Materials across Asia](#), created by School of Art students using the University Museum collections.

Thanks to the generous contribution from University Archives of collections, time, and expertise, we will soon host University Records as well.

Promotion and Publicity

In collaboration with University Libraries colleagues, we promote ScholarWorks@UARK both to recruit new items and to encourage use of current collections. The pandemic precluded our original plans for this semester, but we took the Honors College Open House to the virtual world and advanced our social media program. *Newswire* articles and blogs are archived in the [ScholarWorks@UARK User Guides](#). From 1 January through 30 June 2020, outreach activities included:

- Virtual Honors College Open House, 3 sessions in April 2020 (for undergraduate students seeking assistance with submitting theses)
- *Newswire*: one (1) article
- Blog: two (2) posts

In January, Jessica Kelly launched two social media accounts for the Office of Scholarly Communications, one on Facebook and one on Twitter. Over the past six months, we have put out a total of 153 social media posts – 91 on Twitter and 62 on Facebook. We gain an average of 10 followers each month; currently we have 62 followers on Twitter and 58 on Facebook, with a current audience growth rate of 14.5%. Our social media accounts have allowed us to reach a large audience, interact with a growing number of people both on & off campus, increase our voice and presence, and affords us the ability to make frequent and timely posts, along with the added benefit of freeing up time for the University Libraries' Director of Public Relations. Full reports of the social media analytics are available upon request.

	Facebook						Twitter					
	Jan.	Feb.	March	April	May	June	Jan.	Feb.	March	April	May	June
# of posts	12	16	6	12	9	7	8	13	18	32	12	8
Engagement	71	14	3	37	19	20	39	125	66	223	59	30
Impressions	734	342	66	579	177	177	2,019	8,884	4,015	6,621	3,159	1,658

Process Improvements

The success of ScholarWorks@UARK depends upon continual updates to systems and procedures to ensure cost-effective, efficient, and user-friendly operations. This semester, we registered the repository in the online [EBSCO Open Dissertations](#) which harvests information about our theses and dissertations. This brings the total number of directories including ScholarWorks to four; the other three are [Digital Commons Network](#); [OpenDOAR](#); and the [Registry of Open Access Repositories \(ROAR\)](#). We drafted an Institutional Repository Collection Development Policy and investigated the option of depositing ETDs directly into institutional repositories rather than to ProQuest. All OSC personnel wrote succession plans,

outlining their key responsibilities, primary collaborators, and current projects, in order to smooth the transition for new employees filling their positions.

In February 2020, we launched the system for satisfying compliance with the mandate for publications. We started with National Science Foundation (NSF) grants dating from 1 January 2016 (the date when mandates for many agencies went into effect). This initial group includes 33 principal investigators (PIs) and 155 grants. In consultation with the PIs, Office of Scholarly Communications staff collected and verified the metadata for more than 100 publications resulting from these grants. Currently, Paul Forness is doing a rewrite of the Sherlock system in order to handle accruing technical debt. This will include improved documentation and testing, enabling faster development in the long-term.

In March, the OSC successfully transitioned to working remotely by developing individual and department routines, implementing new communication strategies; and adapting tools and processes. For example, thanks to the Honors College, we introduced an online advisor approval process for undergraduates submitting theses. Rather than hold our usual biannual open house in person, we met with undergraduates seeking assistance via social media. We are now preparing for UA's reopening this summer.

Professional Development

In addition to the training required of all university employees, such as WorkDay modules, Title IX classes, and diversity and inclusion events, we set aside time for personal professional development. Here, we highlight a few of our individual accomplishments over the last six months.

- Paul Forness – Since the previous progress report, Paul has been independently studying several computer science subjects. These include “Data Structures and Algorithms” (storing and working efficiently with data); “Computer Architecture” (how computers work, in depth); and “Languages and Compilers” (how to create a programming language, and translate it into something a computer can understand). Several lessons from these subjects are being applied to Sherlock, in order to make it run more efficiently.
- Jessica Kelly – Attempting to stay on the cutting edge of social media and graphics, Jessica has attended numerous webinars and trainings offered by LinkedIn Learning, Hootsuite, and U of A Global Campus. She has also attended several workshops and trainings on Diversity & Inclusion offered by the University of Arkansas.
- Melody Herr – Melody completed “Research Data Management and Sharing,” online certificate course, created by the University of North Carolina at Chapel Hill and the University of Edinburgh; offered on Coursera, May 2020. She is also attended numerous webinars and virtual conferences related to diversity and inclusion, management of a team working remotely, and current topics in research, scholarly communications, and intellectual property.
- Cedar Middleton – Cedar completed a computer language course covering HTML as well as a few other trainings offered by LinkedIn Learning. She also attended a webinar on how to be a better employee working from home. She continues learning independently about how to be more inclusive in her job, and she looks forward to participating in the UA diversity and inclusion webinar in July 2020.

Acknowledgments

The achievements outlined in this report would not be possible without the goodwill and active engagement of faculty, staff, students, and administrative assistants across the entire university. The Office of Scholarly Communications acknowledges the groups and individuals who have contributed substantially over the past six months. This list, of course, is not exhaustive.

Community Design Center

Stephen D. Luoni, Director and Principal Designer

Linda Komlos, Executive Assistant to the Director

Department of Art

Oh Mee Lee, Assistant Professor

Department of Education Reform

Patrick Wolf, Distinguished Professor

Division of Agriculture Communications, Arkansas Agricultural Experiment Station (AAES)

Gail Halleck, AAES Research Publications Editor and Managing Editor of *Discovery*

Honors College

Kendall Curlee, Director of Communications

Chelsea Hodge, Associate Director

Jennie Popp, Associate Dean

Katie Wilson Powell, Honors College Project/Program Manager

Graduate School and International Education

Leigh Ann Marshall, Graduation Specialist

Julie Rogers, Graduate and International Student Registration

Jessie O'Kelly Freshman Essay Award

LewEllyn Hallett, Instructor, English Department

Katherine Lam-Bellacero, Instructor, English Department

Office of Research & Innovation

Sarah Brown, Communications Assistant

Daniel Sui, Vice Chancellor

Office of Sponsored Programs

Heather Frankenberger, Assistant Director of eResearch Administration

Program in Creative Writing and Translation

Jane Blunschi, Assistant Director; Faculty Advisor for *Diamond Line Undergraduate*

Literary Magazine

Terrorism Research Center

Jeffrey Greunewald, Director

Katie Ratcliff, Associate Director

University of Arkansas Museum

Laurel Lamb, Curator

University Libraries

Amy Allen, University Archivist

Martha Anderson, Head, Digital Services Department

David Boddie, IT

Dennis Clark, Dean of Libraries

Trent Garner, IT

Dylan Hurd, Web Developer
Beth Juhl, Web Services Librarian
Rachel Krest, Director of Development
Deb Kulczak, Head, Technical Services
Kelsey Lovewell, Director of Public Relations
Jay McAllister, Engineering Librarian
Kelli Nixon, Development Coordinator
Rachel Paul, Cataloging Librarian
Lutishoor Salisbury, Head, Chemistry and Biochemistry Library
Jeremy Smith, Supervisor, Chemistry and Biochemistry Library
Young Law Library
Randy Thompson, Director
Dominick Grillo, Electronic Services Librarian

Thank you! Let's keep working together.

Melody Herr, Head, Office of Scholarly Communications
Cedar Middleton, Institutional Repository Coordinator
Paul Forness, Scholarly Communications Assistant
Jessica Kelly, Scholarly Communications Assistant

Featured Collections
Number of Items as of 23 June 2020

Faculty and Student Work

[Patents](#) – patents granted to faculty, researchers, and staff from 1976 through the present (363 items); created and maintained by Lutishoor Salisbury, Head, Chemistry and Biochemistry Library

[Undergraduate Honors Theses](#) – 2005-2020, for departments which require deposit (1,566 items); this collection also includes a few older theses for which former students granted permission to post.

[Graduate Theses and Dissertations](#) – 2009-2020, for departments which require deposit (3,648 items); this collection also includes a few older theses and dissertations for which former students granted permission to post.

Open Education Resources

[Textbooks](#) created through the OER Course Materials Conversion Program (4)

Publications of Centers and Institutes

Adventure Therapy Lab

[Projects](#) – 3 works, dating from 2017 through the present

Arkansas Agricultural Experiment Station

[Research Series](#) – 205 reports, dating from 2009 through the present

Arkansas Water Resources Center

[Technical Reports](#) – 357 reports, dating from 1973 through the present

Center for Human Nutrition

[Summer Short Courses](#) – 12 videos and 1 agenda

Center for Mathematics and Science Education

[STEM Camp](#) – 245 items from 2018 through the present

Center for Multicultural & Diversity Education

[Multicultural & Diversity Education](#) - 4 podcasts to date, more to come

Community Design Center

[Project Reports](#) – 9 reports

Department of Education Reform

[School Choice Demonstration Project](#) – 86 reports, dating from 2005 through the present

[Working Papers](#) – 90 papers, dating from 2010 through the present

Diane D. Blair Center of Southern Politics and Society

[Reports](#) – 15 reports, dating from 2010 to 2017

Jessie O’Kelly Freshman Essay Award

[Winner & Runners Up](#) – 3 items from 2018

Materials across Asia – [online exhibit](#)

Office for Education Policy

[Briefs](#) – 149 briefs, dating from 2004 through the present

[Arkansas Education Reports](#) – 70 reports, dating from 2004 through the present

Terrorism Research Center

[Projects](#) – 22 projects posted, dating from 2007 through the present

Serials

[Annual of the Arkansas Natural Resources Law Institute](#) – 1962 through 2016 (120 articles);
This series is incomplete; we are working to obtain permission to post older articles.

[Arkansas Law Notes](#) – 2019 through the present (2 notes)

[Arkansas Law Review](#) – 2016 through the present (91 articles)

[Diamond Line Literary Magazine](#) – 2020 (28 works posted)

[Discovery: The Student Journal of the Dale Bumpers College of Agriculture](#) – 2000 through the present (314 articles)

[Inquiry: The University of Arkansas Undergraduate Research Journal](#) – 2000 through 2016 (276 articles)

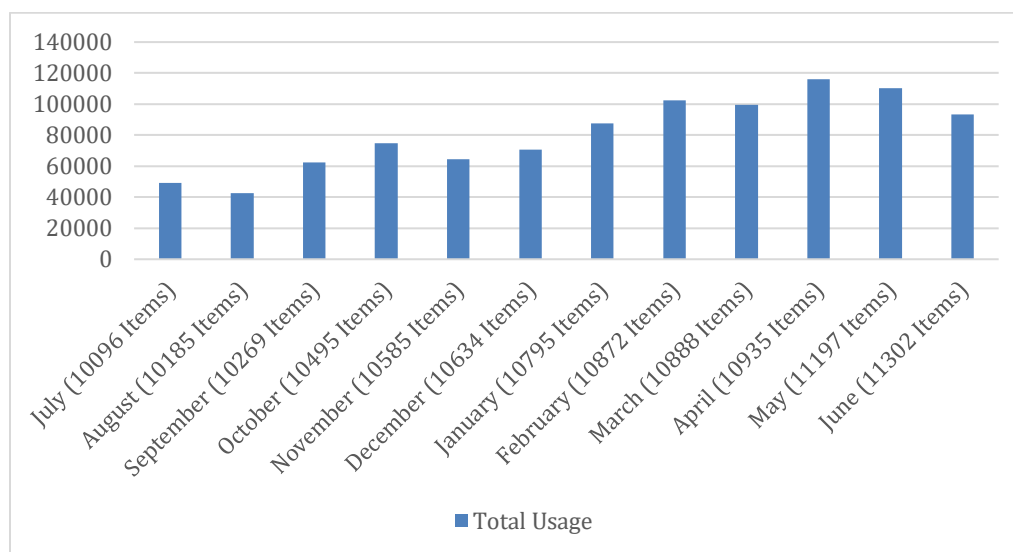
[Journal of the Arkansas Academy of Science](#) – 1941 through the present (2,338 articles)

[Journal of Food Law & Policy](#) – 2017 through the present (72 articles)

[Journal of Research on the College President](#) - 2017 through the present (21 articles)

Appendix

Figure A
ScholarWorks@UARK Total Usage of All Holdings by Month
FY 2020



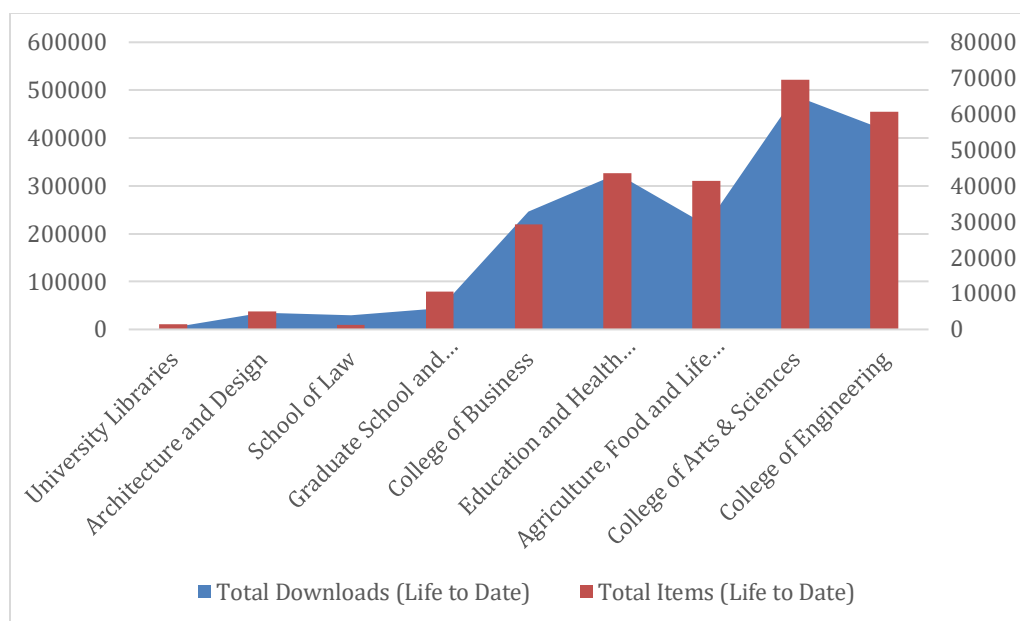
	Downloads (Full Text)	Hits (Metadata)	Total Usage
July (10096 Items)	42840	6564	49404
August (10185 Items)	35454	7000	42454
September (10269 Items)	53453	9131	62584
October (10495 Items)	64060	10671	74731
November (10585 Items)	52926	11679	64605
December (10634 Items)	60498	10287	70785
January (10795 Items)	75629	11994	87623
February (10872 Items)	87749	14497	102246
March (10888 Items)	87136	12469	99605
April (10935 Items)	102047	13986	116033
May (11197 Items)	97672	12604	110276
June (11302 Items)	82577	10667	93244

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

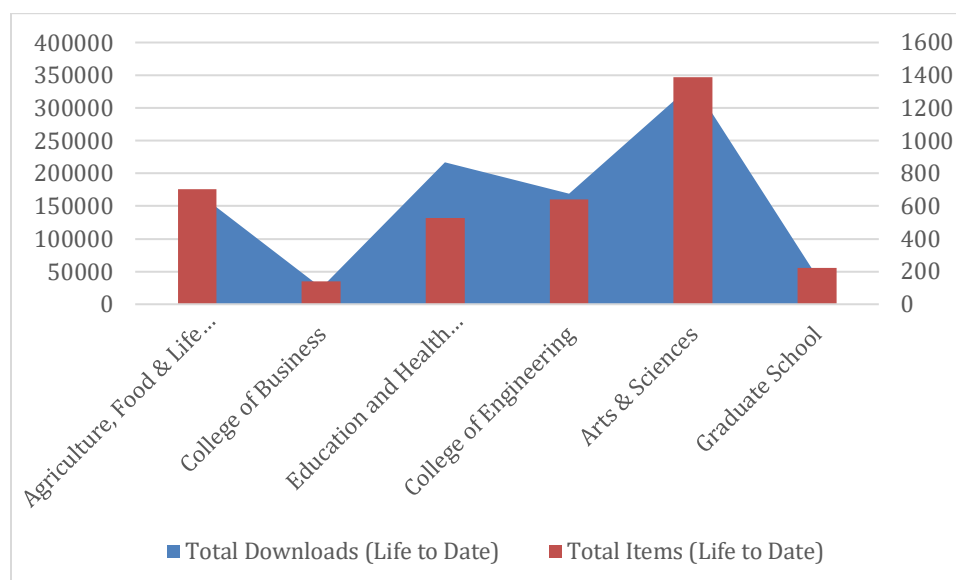
Figure B
 ScholarWorks@UARK Holdings and Downloads by College/Department
 Life-to-Date as of 30 June 2020



	Total Downloads (Life to Date)	Total Items (Life to Date)
University Libraries	3844	1373
Architecture and Design	34889	5011
School of Law	29274	1355
Graduate School and International Education	44708	10621
College of Business	245958	29238
Education and Health Professions	324685	43467
Agriculture, Food and Life Sciences	218244	41407
College of Arts & Sciences	488092	69473
College of Engineering	417236	60653

Download – web visitor downloaded the file

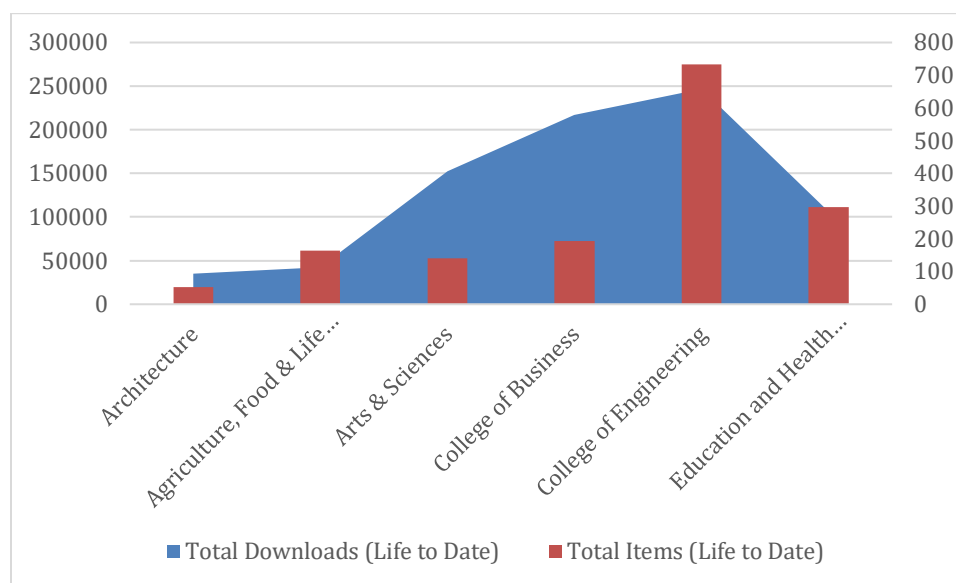
Figure C
 Graduate Theses/Dissertations by College
 Life-to-Date Holdings and Downloads as of 30 June 2020



	Total Downloads (Life to Date)	Total Items (Life to Date)
Agriculture, Food & Life Science	170558	705
College of Business	25288	138
Education and Health Professions	217219	528
College of Engineering	169181	639
Arts & Sciences	336984	1388
Graduate School	43157	221

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Figure D
 Undergraduate Honors Theses by College
 Life-to-Date Holdings and Downloads as of 30 June 2020

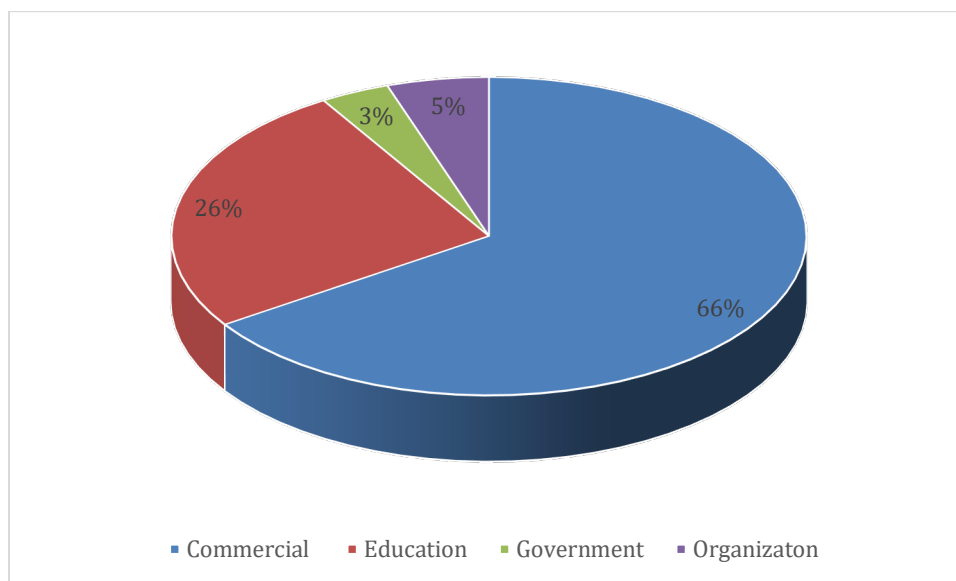


	Total Downloads (Life to Date)	Total Items (Life to Date)
Architecture	35002	53
Agriculture, Food & Life Science	42022	164
Arts & Sciences	152221	141
College of Business	216842	193
College of Engineering	246780	733
Education and Health Professions	106149	296

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Countries represented: 222

Figure F
 ScholarWorks@UARK Readership: Institutional Affiliation
 1 January through 30 June 2020



Institutions represented: 16,506

NOTE: Because we rounded each percentage to the nearest whole number, the sum may not equal 100.