

I'm Plastiklippy! Here  
to help with ASpace  
implementation.



*Plastiklippy by Meghan Lyon*

# Streamlining Digitization Workflows with Samvera / ArchivesSpace Integration

ArchivesSpace Online Forum  
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Noah Huffman  
Archivist for Metadata, Systems, and Digital Records  
David M. Rubenstein Rare Book & Manuscript Library  
Duke University  
[noah.huffman@duke.edu](mailto:noah.huffman@duke.edu)  
@noahgh

<http://bit.ly/duke-samvera-ospace>

# SYSTEMS IN USE AT DUKE

The screenshot shows the ArchivesSpace staff interface. At the top, there's a navigation bar with 'Rubenstein Library ArchivesSpace' and a user profile 'nh48'. Below that, a search bar and a breadcrumb trail 'Home / Resources / Sports Information Office: Photographic Negatives collection / Edit' are visible. The main area is divided into a left sidebar with various metadata fields like 'Dates', 'Extents', and 'Subjects', and a central content area. The central area displays 'Sports Information Office: Photographic Negatives collection' with a 'Digitized' badge and a 'Basic Information' section containing fields for 'Title', 'Identifier', and 'Repository'.

ArchivesSpace staff interface

The screenshot shows the Duke University Libraries finding aid interface. The top navigation bar includes 'DUKE UNIVERSITY LIBRARIES' and a search bar. The main heading is 'Guide to the Sports Information Office: Photographic Negatives collection, circa 1924-1992, 1995, undated'. A prominent green 'Digitized' badge is present. Below the heading, there's a 'Summary' section with a description of the collection. At the bottom, there are two tables: 'Collection Details' and 'Series in This Collection'. The 'Series in This Collection' table lists seven series with their respective date ranges.

Record Group	Title	Date	Extent	Repository
UA.13.02.0018	Sports Information Office: Photographic Negatives collection	circa 1924-1992, 1995, undated	23 Linear Feet, 20,122 items	David M. Rubenstein Rare Book & Manuscript Library

Series	Count
1. Baseball Negatives, circa 1926-1981, undated	1,664
2. Basketball Negatives, circa 1926-1991, undated	
3. Boxing Negatives, circa 1928-1940	
4. Cheerleading Negatives, 1939-1990	
5. Cross Country Negatives, 1932-1976	
6. Fencing Negatives, 1965-1985, undated	
7. Field Hockey Negatives, 1977-1981	

## Finding aid interface (Tripod2 - homegrown)

<https://library.duke.edu/rubenstein/findingaids/>

The screenshot shows the Duke University Digital Repository interface. The top navigation bar includes 'DUKE UNIVERSITY LIBRARIES DIGITAL REPOSITORY' and a search bar. The main heading is 'Sports Information Office: Photographic Negatives collection, circa 1924-1992, 1995, undated'. Below the heading, there's a 'Browse all 1,657 Items' button. The right side of the page features a 'SOURCE COLLECTION' section with a description of the collection and an 'ABSTRACT' section. At the bottom, there's an 'ITEMS IN THIS DIGITAL COLLECTION (1,657)' section with three image thumbnails and their captions: '440 Relay Team (Saturday, Read, Brooks, Shuman), 1942', 'Abraham, Jerry, 1935', and another image.

## Samvera / Fedora Repository (Duke Digital Repository)

<https://repository.duke.edu/dc>

# DEFINE SYSTEMS OF RECORD!

**ArchivesSpace:** system of record for description of **archival collections** and their component parts; description based on **DACS**

**Duke Digital Repository (Samvera):** system of record for metadata about **digital objects / files** (descriptive, technical, administrative)

## BUT WHAT'S THE POINT OF A DIGITAL OBJECT RECORD IN ARCHIVESPACE?

- 1) To situate digital objects within the **context** of a collection
- 2) To embed or provide **links** to digital objects in finding aids

# ANATOMY OF AN ARCHIVESPACE DIGITAL OBJECT

The screenshot shows the Archivespace interface for a digital object. At the top, there is a navigation bar with buttons for 'Edit', 'Add Event', 'Publish All', 'View Published', 'Export', 'Merge', 'More', 'Suppress', and 'Delete'. Below this, the title 'Apple, Bill, 1934' is displayed next to a 'Digital Object' tag. The main content area is divided into two sections: 'Basic Information' and 'File Versions'. The 'Basic Information' section contains a table with the following data:

Title	Apple, Bill, 1934
Identifier	ark:/87924/r49z92r0m
Publish?	True
Restrictions?	False

Below the table, it states: 'Created by nh48 2017-11-22 12:27:56 -0500, Last Modified by nh48 2017-11-22 12:27:56 -0500'.

The 'File Versions' section shows a dropdown menu with the URL 'https://idn.duke.edu/ark:/87924/r49z92r0m'. Below this, there is another table with the following data:

File URI	<a href="https://idn.duke.edu/ark:/87924/r49z92r0m">https://idn.duke.edu/ark:/87924/r49z92r0m</a>
Publish?	True
Use Statement	Image-Service
Representative	False
Identifier	43261



# STEP 1: DESCRIBE MATERIALS IN ARCHIVESPACE (DACS)

The screenshot displays the ArchivesSpace interface for the Rubenstein Library. The top navigation bar includes a home icon, 'Browse', 'Create', a search box labeled 'Search All Records', and a search icon. The breadcrumb trail shows 'Home / Resources / Sports Information Office: Photographic Negatives collection'. A list of series is shown, with 'Individual Athletes/Coaches/Staff' expanded to show three items: 'Apple, Bill, 1934', 'Ardolino, John, 1936', and 'Beck, Buford, 1945'. The 'Apple, Bill, 1934' item is selected, and its details are shown in the main panel. The details include a title, a reference ID, and various descriptive fields.

Home / Resources / Sports Information Office: Photographic Negatives collection

Series	Level of Description	Material Type	Box	Item	Identifier
Swimming Negatives, circa 1925-1976, undated	Series				
Tennis Negatives, 1928-1990	Series				
Track Negatives, circa 1925-1980	Series				
Wrestling Negatives, circa 1928-1982	Series				
Individual Athletes/Coaches/Staff	Sub-Series				
Apple, Bill, 1934	File	Mixed Materials, Digital Object	box: 40,	item: UA13020018-N-06138	
Ardolino, John, 1936	File	Mixed Materials, Digital Object	box: 40,	item: UA13020018-N-06139	
Beck, Buford, 1945	File	Mixed Materials	box: 35,	item: UA13020018-N-04455	

Basic Information

Notes

Instances

Assessments

Edit

Add Event

More

Suppress

Delete Archival Object

## Apple, Bill, 1934 Archival Object

### Basic Information

Title	Apple, Bill, 1934
Ref ID	ref15262_q9s
Level of Description	File
Publish?	True
Has Unpublished Ancestor?	False
Restrictions Apply?	False

# STEP 2: ARCHIVESPACE → CSV “DIGITIZATION GUIDES”

**2 ways** to export folder or item metadata as CSV (spreadsheet):

1) Digitization Work Order Plugin:

[https://github.com/hudmol/digitization\\_work\\_order](https://github.com/hudmol/digitization_work_order)

2) EAD → XSLT → CSV:

[https://github.com/duke-libraries/archivesspace-duke-scripts/blob/master/xslt/aspacer\\_dig\\_guide\\_creator.xsl](https://github.com/duke-libraries/archivesspace-duke-scripts/blob/master/xslt/aspacer_dig_guide_creator.xsl)

	A	B	C	D	E	F	G	H
1	Resource ID	Ref ID	URI	Container Indicator 1	Container Indicator 2	Title	Series	Sub-Series
2	UA.13.02.0018	ref15262_q9s	/repositories/2/archival_objects/60160	40	UA13020018-N-06138	Apple, Bill, 1934	Wrestling Negatives	Individual Athletes/Coaches/Staff
3	UA.13.02.0018	ref15264_9ud	/repositories/2/archival_objects/60161	40	UA13020018-N-06139	Ardolino, John, 1936	Wrestling Negatives	Individual Athletes/Coaches/Staff
4	UA.13.02.0018	ref15266_vlh	/repositories/2/archival_objects/60162	35	UA13020018-N-04455	Beck, Buford, 1945	Wrestling Negatives	Individual Athletes/Coaches/Staff
5	UA.13.02.0018	ref15267_3gj	/repositories/2/archival_objects/60163	40	UA13020018-N-06140	Brewer, P. O. [Pierce] "Kid" and "	Wrestling Negatives	Individual Athletes/Coaches/Staff
6	UA.13.02.0018	ref15269_5zs	/repositories/2/archival_objects/60164	40	UA13020018-N-06141	Brown, James W., Jr., 1935	Wrestling Negatives	Individual Athletes/Coaches/Staff



# STEP 3: CSV + FILES = INGEST PACKAGE (SIP) → INGEST IN DIGITAL REPOSITORY

ASpace component ref\_ids stored in repository

The screenshot shows the Duke Digital Repository interface for the item 'Apple, Bill, 1934'. The page includes a search bar at the top, a title section, and a metadata table. The metadata table lists various fields such as Extent, Format, Identifier, Rights, Series, and Title.

Apple, Bill, 1934	
Extent	1 negative
Extent	4x5
Format	cellulose nitrate film
Identifier	UA13020018-N-06138
Rights	<a href="https://creativecommons.org/licenses/by-nc-sa/4.0/">https://creativecommons.org/licenses/by-nc-sa/4.0/</a>
Series	Wrestling Negatives
Series	Individual Athletes/Coaches/Staff
Title	Apple, Bill, 1934

The screenshot shows the 'Admin Metadata' section for the item 'Apple, Bill, 1934'. The 'Archives Space ID' field is highlighted with a red box, showing the value 'ref15262\_q9s'. Other fields include Display Format, EAD ID, Ingestion Date, Local ID, Permanent ID, Permanent URL, and Workflow State.

Apple, Bill, 1934	
Archives Space ID	ref15262_q9s
Display Format	image
EAD ID	uasportsinfonegs
Ingestion Date	2017-10-12T20:42:16Z
Local ID	dsist040291
Permanent ID	ark:/87924/r49z92r0m
Permanent URL	<a href="https://idn.duke.edu/ark:/87924/r49z92r0m">https://idn.duke.edu/ark:/87924/r49z92r0m</a>
Workflow State	published

# STEP 4: REPOSITORY → ARCHIVESPACE (VIA API)

The screenshot displays the Duke Digital Repository Staff Interface for a collection object. The page title is "Sports Information Office: Photographic Negatives collection, circa 1924-1992, 1995, undated". The interface includes a search bar, navigation tabs for metadata, and an "Initiate Action" section. A red box highlights the "Create Digital Objects in ArchivesSpace" option in the action menu. On the right, there is a summary card for the collection, a "Bookmark" checkbox, and a table of statistics (Items: 1658, Attachments: 0, Targets: 0). Below that is an "Object Info" section with a table of dates and a "Published" section with a table of dates.

**Initiate Action**  
Note: If an action is not linked, you are not authorized to initiate that action.


- DPC Folder Ingest
- Nested Folder Ingest
- Standard Ingest
- Upload Component Caption Files
- Upload Component Intermediate Files
- Upload Component Streamable Media Files
- Upload Component Thumbnail Files
- Export Descriptive & Administrative Metadata
- Export Digital Object info for ArchivesSpace
- Create Digital Objects in ArchivesSpace**
- Export Technical Metadata
- Publish Collection, Items, and Components
- Un-Publish Collection, Items, and Components

**Object Info**

Permanent ID	ark:/87924/r41r6qc2t
Published	
Ingested	2017-10-12 11:45:22 -0400
Modified	2017-12-05 11:19:54 -0500
Fixity Checked	2019-02-06 00:39:30 -0500
Events	25

*Screenshot of collection object in Duke Digital Repository Staff Interface*

# STEP 4 (CONT): REPOSITORY → ARCHIVESPACE

 **Duke** | DIGITAL REPOSITORY

All Fields ▾  Search 🔍

[Sports Information Office: Photographic Negatives collection, circa 1924-1992, 1995, undated](#)

## Create Digital Objects in ArchivesSpace

This process will create a new digital object in ArchivesSpace for each **item** in the collection. A CSV report will be sent to the recipient below.

ArchivesSpace requests will be executed against the backend <https://aspace-backend.lib.duke.edu> as user **nh48**.

**Publish digital objects after creation**

**Send notification and report to**

**Report filename - not including .csv extension**

**Debug (will not make changes in ArchivesSpace)**

Submit

# SAMPLE LOG / REPORT OF ASpace API IMPORT JOB

	A	B	C	D	E	F	G	H	I	J	K
1	repo_id	ref_id	digital_object_id	digital_object_title	file_uri	use_statement	archival_object_uri	digital_object_outcome	published	user	
2	duke:557632	ref17_g4q	ark:/87924/r4sn04c9p	Abraham's Daughter	https://idn.duke.edu/ark:/87924/r4sn04c9p	image-service	/repositories/2/archival_objects/89961	/repositories/2 SUCCESS	TRUE	nh	48
3	duke:558343	ref18_g6s	ark:/87924/r42r3s632	Abraham's Daughter	https://idn.duke.edu/ark:/87924/r42r3s632	image-service	/repositories/2/archival_objects/89962	/repositories/2 SUCCESS	TRUE	nh	48
4	duke:558547	ref19_3z9	ark:/87924/r4c24tx54	Abraham's Daughter	https://idn.duke.edu/ark:/87924/r4c24tx54	image-service	/repositories/2/archival_objects/89963	/repositories/2 SUCCESS	TRUE	nh	48
5	duke:557641	ref20_wcw	ark:/87924/r4kw5bs90	After the Battle, Mother	https://idn.duke.edu/ark:/87924/r4kw5bs90	image-service	/repositories/2/archival_objects/89964	/repositories/2 SUCCESS	TRUE	nh	48
6	duke:557556	ref21_d98	ark:/87924/r4z31rx7r	America	https://idn.duke.edu/ark:/87924/r4z31rx7r	image-service	/repositories/2/archival_objects/89965	/repositories/2 SUCCESS	TRUE	nh	48
7	duke:587852	ref22_kgi	ark:/87924/r44t6jn8v	America	https://idn.duke.edu/ark:/87924/r44t6jn8v	image-service	/repositories/2/archival_objects/89966	/repositories/2 SUCCESS	TRUE	nh	48
8	duke:558356	ref23_3eq	ark:/87924/r4v40p802	American Liberty	https://idn.duke.edu/ark:/87924/r4v40p802	image-service	/repositories/2/archival_objects/89967	/repositories/2 SUCCESS	TRUE	nh	48
9	duke:557908	ref24_zzo	ark:/87924/r4gf0r53p	The American Star!	https://idn.duke.edu/ark:/87924/r4gf0r53p	image-service	/repositories/2/archival_objects/89968	/repositories/2 SUCCESS	TRUE	nh	48
10	duke:557619	ref25_kfp	ark:/87924/r4sq8ts4n	American Star	https://idn.duke.edu/ark:/87924/r4sq8ts4n	image-service	/repositories/2/archival_objects/89969	/repositories/2 SUCCESS	TRUE	nh	48
11	duke:558220	ref26_fdk	ark:/87924/r4vd6sd80	The American Star	https://idn.duke.edu/ark:/87924/r4vd6sd80	image-service	/repositories/2/archival_objects/89970	/repositories/2 SUCCESS	TRUE	nh	48
12	duke:557686	ref27_afa	ark:/87924/r4tx38g0j	The American Star	https://idn.duke.edu/ark:/87924/r4tx38g0j	image-service	/repositories/2/archival_objects/89971	/repositories/2 SUCCESS	TRUE	nh	48

# DIGITAL OBJECT RECORD IN ARCHIVESPACE

The screenshot shows the ArchivesSpace interface for a Digital Object Record. At the top, there is a navigation bar with buttons for 'Edit', 'Add Event', 'Publish All', 'View Published', 'Export', 'Merge', 'More', 'Suppress', and 'Delete'. Below this, the title 'Apple, Bill, 1934' is displayed next to a 'Digital Object' tag. The main content is divided into two sections: 'Basic Information' and 'File Versions'. The 'Basic Information' section contains a table with the following data:

Title	Apple, Bill, 1934
Identifier	ark:/87924/r49z92r0m
Publish?	True
Restrictions?	False

Below this table, a status bar indicates: 'Created by nh48 2017-11-22 12:27:56 -0500, Last Modified by nh48 2017-11-22 12:27:56 -0500'. The 'File Versions' section shows a dropdown menu with the URL 'https://idn.duke.edu/ark:/87924/r49z92r0m'. Below the dropdown, a table provides details for the selected version:

File URI	<a href="https://idn.duke.edu/ark:/87924/r49z92r0m">https://idn.duke.edu/ark:/87924/r49z92r0m</a>
Publish?	True
Use Statement	Image-Service
Representative	False
Identifier	43261

# DIGITAL OBJECT LINKED TO ARCHIVAL OBJECT (CONTEXT)

The screenshot displays a digital archive interface. At the top, a list of items is shown with a red box highlighting the selected item: "Apple, Bill, 1934". Below this, a detailed view of the selected item is shown, including a "Save" button, "Add Event" and "More" dropdowns, and "Suppress" and "Delete Archival Object" buttons. The main content area shows the title "Apple, Bill, 1934" and a "Basic Information" section with a "Title" field containing the same text.

Item Name	Type	Material	Location
Apple, Bill, 1934	File	Mixed Materials, Digital Object	box: 40, item: UA13020018-N-06138
Ardolino, John, 1936	File	Mixed Materials, Digital Object	box: 40, item: UA13020018-N-06139
Beck, Buford, 1945	File	Mixed Materials	box: 35, item: UA13020018-N-04455
Brewer, P. O. [Pierce] "Kid" and "Kidd," circa 1929-1931	File	Mixed Materials, Digital Object	box: 40, item: UA13020018-N-06140

Basic Information

Save Add Event More Suppress Delete Archival Object

Apple, Bill, 1934 Archival Object


Basic Information

Title \* Apple, Bill, 1934

# STEP 5: EXPORT / PUBLISH EAD WITH DAOS

```
<c03 id="aspace_ref15262_q9s" level="file">
  <did>
    <unittitle>Apple, Bill, 1934</unittitle>
    <physdesc id="aspace_a29aa0c4c0dbff424a6aa8350c7ce64f">Nitrate</physdesc>
    <container id="aspace_ef91618a454fcd09d04e10d706413201" label="Mixed Materials"
      type="box">40</container>
    <container id="aspace_810702a461ae2dd1af2128671d40785f"
      parent="aspace_ef91618a454fcd09d04e10d706413201" type="item"
      >UA13020018-N-06138</container>
    <dao xlink:actuate="onRequest" xlink:href="https://idn.duke.edu/ark:/87924/r49z92r0m"
      xlink:role="image-service" xlink:show="new" xlink:title="Apple, Bill, 1934"
      xpointer="ark:/87924/r49z92r0m"/>
  </did>
</c03>
```

# PUBLISHED FINDING AID WITH EMBEDS / LINKS

 Guide to the Sports Information Office: Photographic Negatives collection, circa 1924-1992, 1995, undated

**Series:** Wrestling Negatives, circa 1928-1982 [All Series »](#)

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17. Wrestling Negatives, circa 1928-1982 ▾

**Individual Athletes/Coaches/Staff**

Apple, Bill, 1934 (Nitrate) Box 40  
Item UA13020018-N-06138

[View images](#)

[View Item Page](#) / [More Info](#) / [Download](#)



**Summary**

- [Series in This Collection](#)
- [Collection Overview](#)
- [Using These Materials](#)
- [Contents of the Collection](#)
- [Historical Note](#)
- [Subjects](#)

⚠ Collections must be requested at least 2 full business days in advance for retrieval. Contact Rubenstein Library staff before visiting.

[Catalog Record](#) | [XML](#) | Components: 6,278

Search this collection guide (Ctrl-f)


REQUEST FOR ONSITE USE

- [Ask a Question](#)
- [Help Using This Page](#)



# REPOSITORY VIEW - "VIEW IN CONTEXT" LINKS

Back to Results    New Search


Duke University Archives 

Contact

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## Apple, Bill, 1934

DOWNLOAD -    SHARE -



COLLECTION GROUP  
**Digital Collections**

COLLECTION  
**Sports Information Office:  
Photographic Negatives  
collection, circa 1924-1992, 1995,  
undated**

Only a selection of images are available online. Please see the collection guide for a complete listing of images.

THIS ITEM

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**SOURCE COLLECTION**  
Sports Information Office:  
Photographic Negatives collection  
[View Item in Context](#)

# LINKS AND SUCH

- Samvera to ArchivesSpace service in DUL Hydra Github repo: [https://github.com/duke-libraries/dul-hydra/tree/develop/app/services/archives\\_space](https://github.com/duke-libraries/dul-hydra/tree/develop/app/services/archives_space)
- Python Script for batch creating / linking digital objects in ASpace from CSV: [https://github.com/duke-libraries/archivesspace-duke-scripts/blob/master/python/duke\\_update\\_archival\\_object.py](https://github.com/duke-libraries/archivesspace-duke-scripts/blob/master/python/duke_update_archival_object.py)
- Digitization work order plugin: [https://github.com/hudmol/digitization\\_work\\_order](https://github.com/hudmol/digitization_work_order)
- Bitcurator to ASpace Toolkit: [https://github.com/BitCurator/bc\\_to\\_aspace\\_toolkit](https://github.com/BitCurator/bc_to_aspace_toolkit)

THANKS!