



Batch Loading Workflows for DSpace

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SPARC Open Access Meeting: DSpace User Group

March 14, 2012

Batch Loading Workflows

- Background / Context
 - Metadata Services and Archiving Options
- Metadata Repurposing Overview
 - MARC Metadata
 - Embedded Image Metadata
 - Printed Text Metadata

The Ohio State University's Institutional Repository

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Welcome to the Knowledge Bank

The Knowledge Bank is a collaborative service of the Ohio State University Libraries and the Office of the Chief Information Officer. Faculty, staff and graduate students associated with the Ohio State University are invited to deposit digital materials for long-term preservation and world-wide electronic accessibility.

OSU communities are invited to use the Knowledge Bank to distribute their intellectual output. Examples of communities are academic departments, administrative units, programs, and interdisciplinary centers. Types of content include working papers, post prints, annual reports, technical reports, proceedings of conferences, senior honors theses, digital stories, institutional archives, historical photographs and documents.

Knowledge Bank Mission:
 ...to collect, preserve, and distribute the digitally formatted intellectual output of the University...

Featured: All writers need a good audience, CSTW

Writers Talk: Podcast weekly on WCBE and NPR radio and the Ohio Channel television network, Writers Talk interviews cover a wide range of topics and writing, from bestselling authors to singer-songwriters to debut writers. Our interviewers discuss writing so that listeners and viewers have a better appreciation and interest in writing.

mp3 downloads: April 2011, Object Management of Your Learning Community

Book Review: Osaka: The Merchants. Capital of Early Modern Japan, James L. McClain and Wakita Osamu, eds.

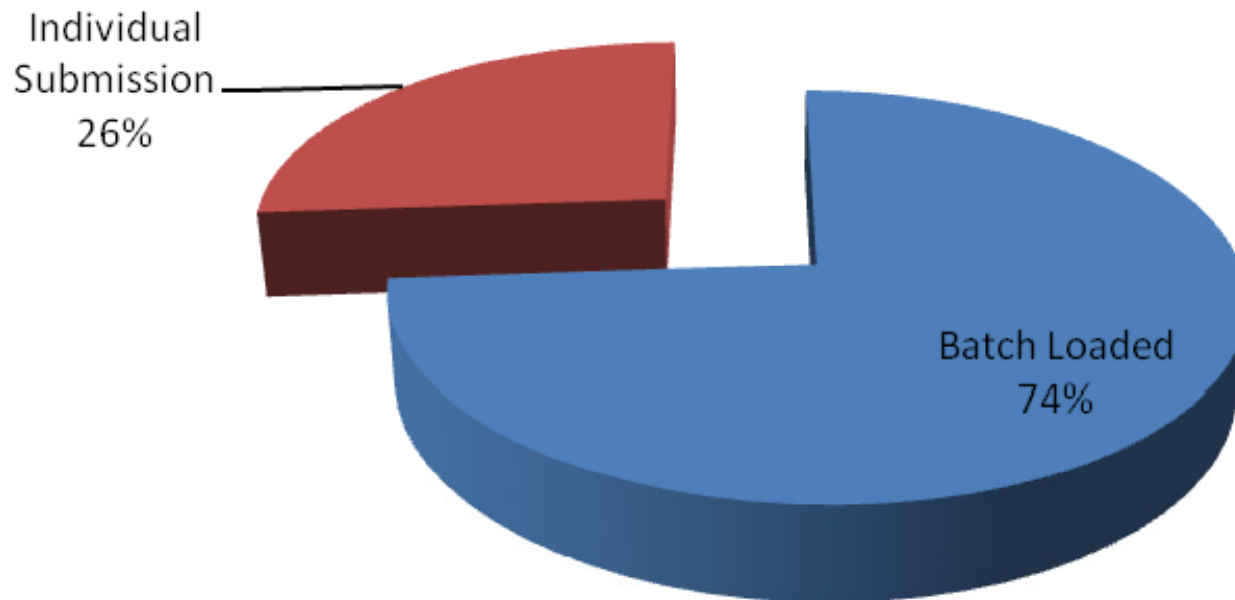
67 Communities

47,369 Items

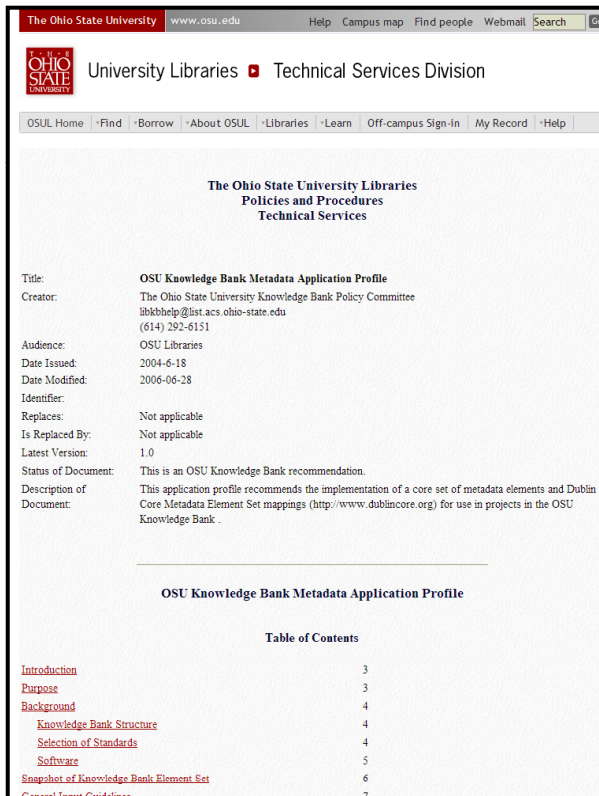
97,641 Content Files



Knowledge Bank Archived Items



KB Metadata Application Profile



The screenshot shows a web browser window displaying the OSU Knowledge Bank Metadata Application Profile page. The page header includes the OSU logo and navigation links. The main content area features a metadata table and a table of contents.

Title:	OSU Knowledge Bank Metadata Application Profile
Creator:	The Ohio State University Knowledge Bank Policy Committee libkhelp@list.acs.ohio-state.edu (614) 292-6151
Audience:	OSU Libraries
Date Issued:	2004-6-18
Date Modified:	2006-06-28
Identifier:	
Replaces:	Not applicable
Is Replaced By:	Not applicable
Latest Version:	1.0
Status of Document:	This is an OSU Knowledge Bank recommendation.
Description of Document:	This application profile recommends the implementation of a core set of metadata elements and Dublin Core Metadata Element Set mappings (http://www.dublincore.org) for use in projects in the OSU Knowledge Bank.

OSU Knowledge Bank Metadata Application Profile	
Table of Contents	
Introduction	3
Purpose	3
Background	4
Knowledge Bank Structure	4
Selection of Standards	4
Software	5
Snapshot of Knowledge Bank Element Set	6
General Terms/ Guidelines	7

- Core set of metadata elements and Dublin Core Metadata Element Set mappings to
 - improve retrieval accuracy and resource discovery
 - facilitate multi-institutional interoperability and quality control
 - comply with the Open Archives Initiative Protocol for Metadata Harvesting
 - enable collection migration, import & export between the Knowledge Bank and other systems as necessary

KB Collection Core Element Set

DC Element Qualifier	Label - Simple Item Display	Label - Submission Form	Definition and Usage Guidelines	Obligation	Occurrence	Functionality	Controlled Vocab	Recommended Schemes	Constant Data	Example	Notes
dc.creator	Creators	Author	Author of the work	Mandatory	Non-Repeatable	Search, Browse, KW	no		no	Mansing, Shelley Y.	Last, First Middle Supply punctuation if required - ex. period following middle initial
dc.contributor.advisor	Advisor	Advisor	Advisor to the work	Mandatory	Repeatable	Search, KW	no		no	August, F. Leo	Last, First Middle Supply punctuation if required - ex. period following middle initial
dc.title	Title	Title	Title of the work	Mandatory	Non-Repeatable	Search, Browse, KW	no		no	The effects of snack foods on undergraduate student performance: A study of vigilance	Free text
dc.title.alternative	Other Titles	Other Titles	Alternative titles of the work	Optional	Repeatable	Search, KW	no		no		Free text
dc.date.issued	Issue Date	Quarter Completed	Last month and year of graduating quarter	Mandatory	Non-Repeatable	Browse, KW	no	Internally defined (ISO 8601)	no	2009-06	March, June, August, or December and year
dc.publisher	Publisher	Publisher	Entity responsible for making the work available	Mandatory	Repeatable		no		yes -KB item template	The Ohio State University	Constant data
dc.relation.ispartofseries	Series/Report no.	Degree-Granting Department	Department, School, or College to which work is submitted. Select from list.	Mandatory	Repeatable	Search, KW	yes -KB input-form		no	The Ohio State University. Department of Psychology Honors Theses; 2009	Value automatically generated
dc.type		Type	Format(s) of the work. Select from list.	Mandatory	Repeatable	Search, KW	yes - KB input-form		yes -KB item template	Thesis	Thesis is constant data (template). Additional not constant data.
dc.language.iso		Language	Principle language(s) of the work. Select from list.	Mandatory	Repeatable	Search, KW	yes - KB input-form	Internally defined (ISO639-2)	no	English	Keep as submitted
dc.subject	Keywords	Thesis topic(s) or keywords	Topic of the content of the work	Mandatory	Repeatable	Search, Browse, KW	no		no	snack food study habits undergraduate students vigilance	Free text
dc.description.abstract	Abstract	Abstract	Abstract written for the work	Mandatory	Non-Repeatable	Search, KW	no		no	Recent research has shown an increase in vigilance with students who snack while studying for exams. ...	Free text
dc.description		Award Statement		Optional	Repeatable	Search, KW	no		no	2nd place in Psychology at Denman Undergraduate Research Forum	Free text
dc.description.sponsorship	Sponsors	Sponsors	Organization(s) providing additional support for work	Required (if available)	Repeatable	Search, KW	no		no	Social & Behavioral Sciences Undergraduate Research Grant	Free text
dc.identifier.citation		Published Citation	Citation of previous publication of work	Required (if available)	Non-Repeatable	Search, KW	no		no		Free text
dc.description.embargo	Requested Embargo?	Requested Embargo?	Delay of dissemination requested. Select from list.	Mandatory	Non-Repeatable		yes -KB input-form		no	A one-year embargo was granted for this item	Value automatically generated
dc.identifier.uri	URI		Unique identifier for the work - Handle	system supplied		Search, KW				http://hdl.handle.net/1811/###	
dc.date.accessioned			Date accessioned by KB	system supplied						2009-08-14T13:10:48Z	
dc.date.available			Date available in KB	system supplied						2009-08-14T13:10:48Z	

Individual Item Submission

Customized Input Forms (Display)

Knowledge BANK University Libraries and the Office of the Chief Information Officer

Profile: Maureen Walsh Logout

Hi of KB Only this Collection Search the Knowledge Bank Advanced Search Go

Item submission

Initial Questions Describe

Describe Item

Title:
Enter established form of interviewee name.
Akasofu, Syun-Ichi

Interviewer:
Enter established form of interviewer name.
Belanger, Dian Olson, 1941-
Brewster, Karen Nichols
Goerler, Raimund E. (Raimund Erhard), 1948-
Kissel, Laura J.
Lay, Lynn S.
Shoemaker, Brian

Date of Interview:
Enter date of interview (month and year or month, day, and year).
Year: Month: Day:

Date entered into Knowledge Bank:
Please enter date entered into Knowledge Bank (month, day, and year).
Year: Month: Day:

Publisher:
"Byrd Polar Research Center Archival Program" should appear in this field.
Byrd Polar Research Center Archival Program

Series Statement:
"Polar Oral History Program" should appear in this field.
Polar Oral History Program

Resource Type:
"Transcript" should be highlighted in the list below.

Language:
Select the language(s) of the main content of the item. To use "CTRL" or "SHIFT" key.

Animation
Article
Book
Book chapter
Dataset
Learning Object

English (United States)
English
Spanish
German
French

Previous

Information
FAQs
Contact Us

Browse

All of Knowledge Bank
Communities & Collections
Issue Date
Author
Title
Subject

This Collection
Issue Date
Author
Title
Subject

My Account
My Exports

Information Officer
Profile: Maureen Walsh Logout

is Collection Search the Knowledge Bank Advanced Search Go

scribe Upload Review License License untranslated

Complete

Akasofu, Syun-Ichi
Anderson, William R., 1921-
Antos, Stanislaus A.
Aughenbaugh, Nolan B.
Austin, Fred L.
Barnes, Stephen
Beebe, Lloyd, 1916-
Behrendt, John C., 1932-
Bekkedahl, Clifford Lewis
Benson, Carl S.
Blades, Jehu L., 1925-
Boudette, Eugene L.
Brecher, Henry H.
Brewer, Max C.
Britton, Maxwell
Brown, Craig W., 1937-
Bull, Colin
Burroughs, Charles A.
Carlson, Gerald F., 1925-
Carpenter, Donald
Akasofu, Syun-Ichi

Interviewer:
Enter established form of interviewer name.
Belanger, Dian Olson, 1941-
Brewster, Karen Nichols
Goerler, Raimund E. (Raimund Erhard), 1948-
Kissel, Laura J.

Customized Input Forms (XML)

The image displays XML code for a customized input form. The code is organized into sections, with line numbers on the left. Two callout boxes highlight specific parts of the code:

Callout Box 1 (Left): This box highlights the definition of a form field for the interviewee name. The XML code is as follows:

```

1495 <form name="polar-oral-histories">
1496 <page number="1">
1497 <field>
1498 <dc-schema>dc</dc-schema>
1499 <dc-element>creator</dc-element>
1500 <label>Interviewee</label>
1501 <input-type value-pairs-name="polar-oh-interviewees">dropdown</input-type>
1502 <hint>Enter established form of interviewee name.</hint>
1503 <required>Enter established form of interviewee name.</required>
1504 </field>
  
```

Callout Box 2 (Right): This box highlights the definition of a value-pairs element for the interviewees. The XML code is as follows:

```

2773 <value-pairs value-pairs-name="polar-oh-interviewees" dc-term="creator">
2774 <pair>
2775 <displayed-value>Akasofu, Syun-Ichi</displayed-value>
2776 <stored-value>Akasofu, Syun-Ichi</stored-value>
2777 </pair>
  
```

The background XML code includes various other elements such as <dc-element>, <dc-qualifier>, <label>, <input-type>, <hint>, and <required>, defining the structure and behavior of the form fields.

Customized Input Forms (Display)

Knowledge BANK
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Profile: Maureen Walsh | Logout

All of KB Only this Collection

Search the Knowledge Bank [Advanced Search](#)

Information
FAQs
Contact Us

Browse
All of Knowledge Bank
Communities & Collections
Issue Date
Author
Title
Subject
This Collection
Issue Date
Author
Title
Subject

My Account
My Exports
Logout
Profile
Submissions

Context
Edit Collection
Item Mapper
Export Collection
Export Metadata

Administrative
Access Control
People
Groups

Item submission

Initial Questions | Describe | **Describe** | Describe | Upload | Review | License | License | untranslated | Complete

Describe Item

Subject (Local Names and Expeditions):
Choose the appropriate personal names from the list.

- Akasofu, Syun-ichi -- Interviews
- Anderson, William R., 1921- -- Interviews
- Antos, Stanislaus A. -- Interviews
- Aughenbaugh, Nolan B. -- Interviews
- Austin, Fred L. -- Interviews
- Barnes, Stephen -- Interviews

Subject (Topical Terms and Corporate Names):
Choose the appropriate corporate names and/or topical terms from the list.

- Aeronautics -- Antarctica
- Aeronautics -- Antarctica -- Interviews
- Aeronautics -- Arctic regions -- Interviews
- Aeronautics -- Polar regions
- Aeronautics -- Polar regions -- Interviews
- Antarctic Ocean -- Discovery and exploration -- Interviews

Additional Keywords:
Please enter any additional keywords describing the transcript below. Enter one keyword or phrase per box, click "Add more" to add additional keywords.

< Previous | Save & Exit | Next >

Customized Input Forms (XML)

```

1561 </required/>
1562 </field>
1563 </page>
1564 <page number="2">
1565 </field>
1566 <dc-element>subject</dc-element>
1567 <dc-qualifier>other</dc-qualifier>
1568
1569 <field>
1570 <dc-schema>dc</dc-schema>
1571
1572 <dc-element>subject</dc-element>
1573
1574 <dc-qualifier>other</dc-qualifier>
1575
1576 <repeatable>true</repeatable>
1577
1578 <label>Subject (Local Names and Expeditions)</label>
1579
1580 <input-type value-pairs-name="polar-oh-local-subjects">dropdown</input-type>
1581
1582 <hint>Choose the appropriate personal names from the list.</hint>
1583
1584 <required>Choose the appropriate personal names from the list.</required>
1585
1586 </field>
1587
1588 <hint>Please enter any additional keywords describing the transcript below.</hint>
1589
1590 </field>
1591 </page>
1592 <page number="3">
1593 </field>
1594 <dc-element>description</dc-element>
1595 <dc-qualifier>abstract</dc-qualifier>
1596 <repeatable>false</repeatable>
1597 <label>Transcript Summary</label>
1598 <input-type>textarea</input-type>
1599 <hint>Enter the full text of the transcript summary.</hint>
1600 <required>Enter the full text of the transcript summary.</required>
1601 </field>
1602 </field>
1603 <dc-element>description</dc-element>
1604 <repeatable>false</repeatable>
1605 <label>Individuals Mentioned</label>

```

```

<field>
<dc-schema>dc</dc-schema>
<dc-element>subject</dc-element>
<dc-qualifier>other</dc-qualifier>
<repeatable>true</repeatable>
<label>Subject (Local Names and Expeditions)</label>
<input-type value-pairs-name="polar-oh-local-subjects">dropdown</input-type>
<hint>Choose the appropriate personal names from the list.</hint>
<required>Choose the appropriate personal names from the list.</required>
</field>

```

```

3128 </pair>
3129 <dc-qualifier>other</dc-qualifier>
3130 <dc-qualifier>other</dc-qualifier>
3131 </pair>
3132 </value-pairs>
3133 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3134 <pair>
3135 <displayed-value>Shoemaker, Brian</displayed-value>
3136 <stored-value>Shoemaker, Brian</stored-value>
3137 </pair>
3138 </value-pairs>
3139 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3140 <pair>
3141 <displayed-value>Akasofu, Syun-Ichi -- Interviews</displayed-value>
3142 <stored-value>Akasofu, Syun-Ichi -- Interviews</stored-value>
3143 </pair>
3144 </value-pairs>
3145 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3146 <pair>
3147 <displayed-value>Anderson, William R., 1921- -- Interviews</displayed-value>
3148 <stored-value>Anderson, William R., 1921- -- Interviews</stored-value>
3149 </pair>
3150 </value-pairs>
3151 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3152 <pair>
3153 <displayed-value>Antos, Stanislaus A. -- Interviews</displayed-value>
3154 <stored-value>Antos, Stanislaus A. -- Interviews</stored-value>
3155 </pair>
3156 </value-pairs>
3157 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3158 <pair>
3159 <displayed-value>Akasofu, Syun-Ichi -- Interviews</displayed-value>
3160 <stored-value>Akasofu, Syun-Ichi -- Interviews</stored-value>
3161 </pair>
3162 </value-pairs>
3163 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3164 <pair>
3165 <displayed-value>Behrendt, John C., 1932- -- Interviews</displayed-value>
3166 <stored-value>Behrendt, John C., 1932- -- Interviews</stored-value>
3167 </pair>
3168 </value-pairs>
3169 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3170 <pair>
3171 <displayed-value>Bekkedahl, Clifford Lewis -- Interviews</displayed-value>
3172 <stored-value>Bekkedahl, Clifford Lewis -- Interviews</stored-value>
3173 </pair>
3174 </value-pairs>
3175 <value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
3176 <pair>
3177 <displayed-value>Benson, Carl S. -- Interviews</displayed-value>
3178 <stored-value>Benson, Carl S. -- Interviews</stored-value>
3179 </pair>
3180 </value-pairs>

```

```

<value-pairs value-pairs-name="polar-oh-local-subjects" dc-term="subject.other">
<pair>
<displayed-value>Akasofu, Syun-Ichi -- Interviews</displayed-value>
<stored-value>Akasofu, Syun-Ichi -- Interviews</stored-value>
</pair>

```

Customized Input Templates (Display)

Publisher:
"Byrd Polar Research Center Archival Program" should appear in this field.

Byrd Polar Research Center Archival Program

Series Statement:
"Polar Oral History Program" should appear in this field.

Polar Oral History Program

Resource Type:
"Transcript" should be highlighted in the list below.

- Recording, musical
- Recording, oral
- Software
- Technical Report
- Thesis
- Transcript

Sponsor:
Sponsor information for the Polar Oral History Program should appear below.

Funded by a grant from the National Science Foundation.

Other available material:
Enter the number of audio tapes in the first space of this field (e.g. "3" or "7") so that the field reads, for example, "4 audio tapes available in the OSU Archives."

_ audio tapes available in the OSU Archives

Record Group Number:
Please enter the transcript's record group number below.

Record Group Number:

Restrictions:
Please change the text below if a transcript is restricted.

Add more

Existing data in this field:

Restrictions: This item is not restricted.

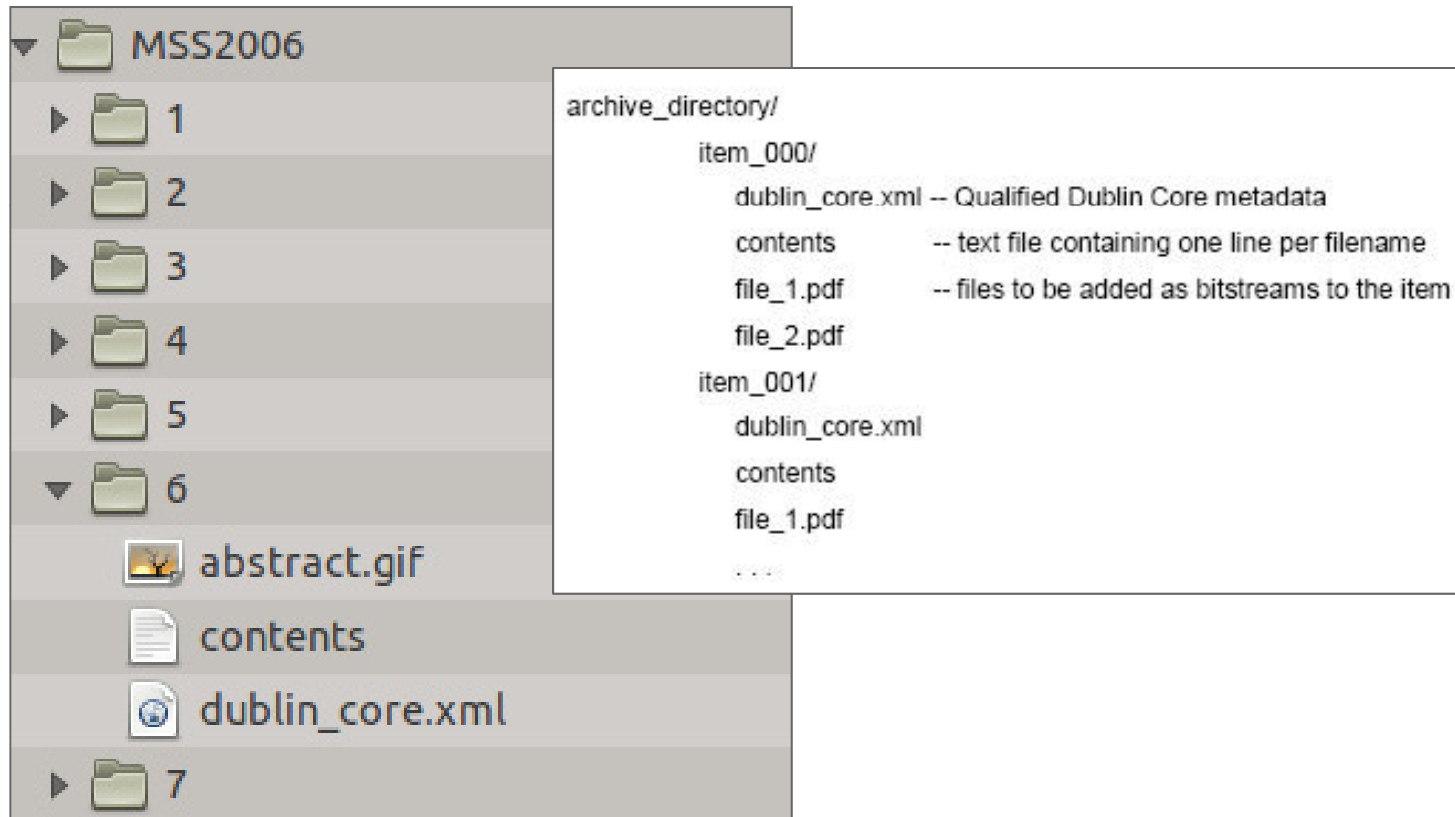
Remove selected

Customized Input Templates (Dublin Core)

Metadata			
Remove	Name	Value	Language
<input type="checkbox"/>	dc.description.sponsorship	Funded by a grant from the National Science Foundation.	en
<input type="checkbox"/>	dc.identifier	Record Group Number:	
<input type="checkbox"/>	dc.publisher	Byrd Polar Research Center Archival Program	en
<input type="checkbox"/>	dc.relation.isformatof	_ audio tapes available in the OSU Archives	en
<input type="checkbox"/>	dc.relation.ispartofseries	Polar Oral History Program	en
<input type="checkbox"/>	dc.rights	Restrictions: This item is not restricted.	en
<input type="checkbox"/>	dc.title	Interview	en
<input type="checkbox"/>	dc.type	Transcript	

Importing Items in Batch

Batch Loading – DSpace Simple Archive Format



The screenshot shows a file explorer window with a directory tree for 'MSS2006'. The tree includes folders 1 through 7, and files 'abstract.gif', 'contents', and 'dublin_core.xml'. A tooltip window is open over folder 6, displaying the following structure:

```
archive_directory/  
  item_000/  
    dublin_core.xml -- Qualified Dublin Core metadata  
    contents        -- text file containing one line per filename  
    file_1.pdf      -- files to be added as bitstreams to the item  
    file_2.pdf  
  item_001/  
    dublin_core.xml  
    contents  
    file_1.pdf  
    ....
```


Batch Loading – Metadata CSV

File	File	File	dc.date	dc.identifier	dc.creator	dc.title	dc.description.abstract	ddc	dc.description
FA01/abstra	FA01/talk.ppt	FA01/talk.gifs	2006	2006-FA-01	Lisy, James M.; Miller, Dorothy J.;	TEMPERATURE EFFECTS IN HYDRATED ALKALI IONS	The role of temperature or internal structure on the hydration of alkali ions	ar	En Department
FA02/abstra	FA02/talk.ppt	FA02/talk.gifs	2006	2006-FA-02	Ackerman, Matthew L.; Rodriguez, Jason D.; Miller, Dorothy J.;	MAGIC NUMBERS IN ALKALI CATION WATER	The local environment of solvated alkali ions	ar	En Department
FA03/abstra	FA03/talk.ppt	FA03/talk.gifs	2006	2006-FA-03	Rodriguez, Jason D.; Ackerman, Matthew; Miller, Dorothy J.;	MAGIC NUMBERS IN HYDRATED ALKALI IONS	The mass spectrum of protonated alkali ions	ar	En Department
FA04/abstra	FA04/talk.ppt	FA04/talk.gifs	2006	2006-FA-04	Herbert, John M.;	ELECTRONIC STRUCTURE STUDIES OF SMALL MOLECULES	Electronic structure calculations for small molecules	ar	En Department
FA05/abstract.gif			2006	2006-FA-05	Headrick, Jeffrey M.; Diken, Eric G.; Johnson, Matthew;	A CLUSTER PERSPECTIVE: THE HYDRATED PROTON	Capturing the dynamics of proton hydration	ar	En Sterling Chemistry
FA06/abstract.gif			2006	2006-FA-06	Gudipati, Murthy S.; Allamandola, Louis J.;	NEW PHYSICAL AND CHEMICAL PROCESSES IN INTERSTELLAR ICE	Water-rich, mixed molecular ices	ar	En Institute for
FA07/abstra	FA07/talk.ppt	FA07/talk.gifs	2006	2006-FA-07	Schneider, Holger; Weber, J. Mathias; Boese, A.;	INFRARED SPECTRA OF ANIONIC COINAGE	We have studied the interaction of anions with water	ar	En JILA and Department
FA08/abstract.gif			2006	2006-FA-08	Su, Zheng; Xu, Yunjie.;	HYDROGEN BONDING IN CHIRAL MOLECULES	High resolution spectroscopy and theory	ar	En Department
FA09/abstra	FA09/talk.ppt	FA09/talk.gifs	2006	2006-FA-09	Miller, Dorothy J.; Lisy, James M.;	OBSERVATION OF ISOMER TRAPPING IN SMALL MOLECULES	In gas-phase cluster ions, the structure of small molecules	ar	En Department
FA10/abstract.gif			2006	2006-FA-10	Roscioli, Joseph R.; Bopp, Joseph C.; Hammer, Nathan;	PHOTOELECTRON AND INFRARED SPECTROSCOPY OF SMALL MOLECULES	We present infrared and photoelectron spectroscopy of small molecules	ar	En Sterling Chemistry
FA11/abstract.gif			2006	2006-FA-11	Bopp, Joseph C.; Roscioli, Joseph R.; Hammer, Nathan;	VIBRATIONAL PREDISSOCIATION SPECTROSCOPY OF SMALL MOLECULES	We report vibrational predissociation spectroscopy of small molecules	ar	En Sterling Chemistry
FA12/abstra	FA12/talk.ppt	FA12/talk.gifs	2006	2006-FA-12	Hargrove, J.M.; Medina, D.; Zhang, J.;	WATER VAPOR CONTINUUM ABSORPTION SPECTROSCOPY	During cavity ring-down spectroscopy	ar	En Department
FB01/abstra	FB01/talk.ppt	FB01/talk.gifs	2006	2006-FB-01	Ellsworth, Kristin K.; Polik, William F.;	DISPERSED FLUORESCENCE SPECTROSCOPY OF SMALL MOLECULES	High resolution dispersed fluorescence spectroscopy	ar	En Department
FB02/abstra	FB02/talk.ppt	FB02/talk.gifs	2006	2006-FB-02	Deselnicu, M.; Tao, C.; Mukarakate, C.; Reid, S.A.;	ELECTRONIC SPECTROSCOPY OF THE AS ⁺ ION	We report a comprehensive new spectroscopic study of the AS ⁺ ion	ar	En Department
FB03/abstra	FB03/talk.ppt	FB03/talk.gifs	2006	2006-FB-03	Tao, C.; Deselnicu, M.; Mukarakate, C.; Reid, S.A.;	ELECTRONIC SPECTROSCOPY OF THE AS ⁺ ION	We report a comprehensive new spectroscopic study of the AS ⁺ ion	ar	En Department
FB04/abstra	FB04/talk.ppt	FB04/talk.gifs	2006	2006-FB-04	Tao, C.; Deselnicu, M.; Mukarakate, C.; Reid, S.A.;	FLUORESCENCE EXCITATION SPECTROSCOPY OF SMALL MOLECULES	We report a comprehensive new spectroscopic study of small molecules	ar	En Department
FB05/abstra	FB05/talk.ppt	FB05/talk.gifs	2006	2006-FB-05	Miller, Stephen R.; Barker, Beau J.; Marcy, Timothy;	ANION PHOTOELECTRON SPECTROSCOPY OF SMALL MOLECULES	We report mass spectra, anion photoelectron spectroscopy of small molecules	ar	En Department
FB06/abstra	FB06/talk.ppt	FB06/talk.gifs	2006	2006-FB-06	Pillsbury, Nathan R.; Clarkson, Jasper R.; Zwiernik, Adam;	CONFORMATION-SPECIFIC ELECTRONIC SPECTROSCOPY	The electronic and infrared spectra of small molecules	ar	En Department
FB07/abstra	FB07/talk.ppt	FB07/talk.gifs	2006	2006-FB-07	Xu, Haifeng; Johnson, Philip M.; Sears, Trevor J.;	HIGH RESOLUTION IONIZATION-BASED SPECTROSCOPY	Mass analyzed threshold ionization spectroscopy	ar	En Chemistry Department
FB08/abstra	FB08/talk.ppt	FB08/talk.gifs	2006	2006-FB-08	Xu, Haifeng; Johnson, Philip M.; Sears, Trevor J.;	EVIDENCE FOR RADIATIONAL TRANSITIONS IN SMALL MOLECULES	Pump-probe delayed ionization spectroscopy	ar	En Chemistry Department
FB09/abstra	FB09/talk.ppt	FB09/talk.gifs	2006	2006-FB-09	Middleton, Chris; Cohen, Boiko; Kohler, Bern;	ULTRAFAST VIBRATIONAL COOLING DYNAMICS	The photodynamics of 9-methylanthracene	ar	En Department
FB10/abstra	FB10/talk.ppt	FB10/talk.gifs	2006	2006-FB-10	Legreve, Tracy A.; Baquero, Esteban E.; James, V.;	CONFORMATIONAL ANALYSIS OF THE NEURONAL TRANSMITTER SEROTONIN	Serotonin (5-hydroxytryptamine) in the gas phase	ar	En Department
FB11/abstract.gif			2006	2006-FB-11	Zamyatin, Andrey V.; Rodgers, Michael A. J.;	A PHOTOPHYSICAL INVESTIGATION OF NICKEL(II) Porphyrins	The porphyrins are an important class of macrocyclic ligands	ar	En Del Mar Physics
FB12/abstract.gif			2006	2006-FB-12	Schulenburg, A.M.; Merkt, F.;	HIGH-RESOLUTION PHOTOELECTRON SPECTROSCOPY	The pulsed-field-ionization zero-kinetic energy photoelectron spectroscopy	ar	En Laboratory of
FB13/abstract.gif			2006	2006-FB-13	Vijan, Loredana; Raducu, Alina; Barbuceanu, Mircea;	SPECTRAL STUDY OF AMIKACIN - DNA INTERACTIONS	Amikacin is an aminoglycoside antibiotic	ar	En University of
FB14/abstract.gif			2006	2006-FB-14	Vijan, Loredana; Raducu, Alina; Barbuceanu, Mircea;	SPECTRAL STUDY OF THE BINDING OF VANCOMYCIN TO DNA	Vancomycin is a glycopeptide antibiotic	ar	En University of
FC01/abstract.gif			2006	2006-FC-01	Remijan, Anthony J.; Hollis, J.M.; Lovas, F.J.; Jewell, D.;	NEW INTERSTELLAR MOLECULES DETECTED IN THE CARBON STAR IRC+10216	Over the last several years, the number of interstellar molecules detected	ar	En NRAO, 520
FC02/abstract.gif			2006	2006-FC-02	Friedel, D.N.; Snyder, L.E.; Remijan, Anthony J.;	ANALYSIS OF THE 3MM SPECTRUM OF ORION-KL	We present our initial results on the 3mm spectrum of Orion-KL	ar	En Department
FC03/abstra	FC03/talk.ppt	FC03/talk.gifs	2006	2006-FC-03	Garrod, R.T.; Herbst, E.;	GRAIN SURFACE FORMATION OF METHYLAMINE	Until recently, the methyl formate molecule was the only methylated	ar	En Department
FC04/abstra	FC04/talk.ppt	FC04/talk.gifs	2006	2006-FC-04	Braakman, Rogier; Pearson, John C.; Drouin, Brian;	THE GROUND STATE ROTATIONAL SPECTRUM OF METHYLAMINE	Internal rotation plays a very important role in the rotational	ar	En Division of
FC05/abstra	FC05/talk.ppt	FC05/talk.gifs	2006	2006-FC-05	Pearson, John C.; Drouin, Brian J.; Braakman, Rogier;	THE S _v (t)=3S STATE OF METHANOL	The rotational spectrum of methanol	ar	En Jet Propulsion
FC06/abstra	FC06/talk.ppt	FC06/talk.gifs	2006	2006-FC-06	Wakelam, Valentine; Herbst, Eric; Selsis, Franck;	SENSITIVITY OF INTERSTELLAR CHEMISTRY TO PHYSICAL CONDITIONS	The equations describing the chemistry of interstellar clouds	ar	En Department
FC07/abstra	FC07/talk.ppt	FC07/talk.gifs	2006	2006-FC-07	Woodall, J.; Agúndez, M.; Markwick-Kemper, A. J.;	ASTROCHEMISTRY WITH THE UMIST DATABASE	A new version of the UMIST Database for Interstellar Studies	ar	En Jodrell Bank
FC08/abstra	FC08/talk.ppt	FC08/talk.gifs	2006	2006-FC-08	Dunbar, Robert C.; Petrie, Simon;	METAL ION CHEMISTRY IN COLD INTERSTELLAR CLOUDS	Ions of abundant metals, including iron, are important	ar	En Chemistry Department
FC09/abstra	FC09/talk.ppt	FC09/talk.gifs	2006	2006-FC-09	Maret, Sebastian; Bergin, Edwin A.;	CHEMICAL STRUCTURE OF THE BARNARD 68 PROTOSTAR	Prestellar cores are unique laboratories for the study of	ar	En Department
FC10/abstra	FC10/talk.ppt	FC10/talk.gifs	2006	2006-FC-10	Cuppen, Herma; Herbst, Eric;	MONTE CARLO SIMULATIONS ON THE FORMATION OF ICE	Formation and destruction of ice on interstellar grains	ar	En Department
FC11/abstra	FC11/talk.ppt	FC11/talk.gifs	2006	2006-FC-11	Tenenbaum, Emily D.; Apponi, Aldo J.; Ziurys, Lucretia;	CS ₂ 350 IN THE CARBON STAR IRC+10216	We report the detection of CS ₂ 350 in the carbon star IRC+10216	ar	En Department
FC12/abstract.gif			2006	2006-FC-12	Drosback, Meredith M.; Snow, Theodore P.; Thorpe, James;	VELOCITY STRUCTURE IN THE DIFFUSE INTERSTELLAR MEDIUM	We present results of a search for diffuse interstellar bands	ar	En Center for
FC13/abstract.gif			2006	2006-FC-13	Braakman, Rogier; Blake, Geoffrey A.;	THE MICROWAVE SPECTRUM OF AIB	³ alpha-Amino isobutyric acid	ar	En Division of
FD01/abstra	FD01/talk.ppt	FD01/talk.gifs	2006	2006-FD-01	McKellar, A.R.W.;	HIGH RESOLUTION INFRARED SPECTRA OF SMALL MOLECULES	Recently it has been possible to observe the infrared spectra of small molecules	ar	En Steacie Inst
FD02/abstra	FD02/talk.ppt	FD02/talk.gifs	2006	2006-FD-02	Lewis, William K.; Lindsay, C. Michael; Miller, Roger E.;	MOLECULAR LIGHTNING RODS: CHARGE STATE OF SMALL MOLECULES	Dopant species embedded in helical carbon nanotubes	ar	En Department
FD03/abstra	FD03/talk.ppt	FD03/talk.gifs	2006	2006-FD-03	Choi, Myong Yong; Miller, Roger E.;	INFRARED SPECTROSCOPIC STUDIES OF IONIC MOLECULES	Infrared laser spectroscopy has been used to study the structure of ionic	ar	En Department
FD04/abstra	FD04/talk.ppt	FD04/talk.gifs	2006	2006-FD-04	Skvortsov, Dmitry S.; Hoshina, Hiromichi; Satake, Naoki;	ROTATIONS OF COS ₂ AND CHS ₄ ISOTOPES	The effect of isotopic substitution on the rotational spectra of	ar	En Chemistry Department
FD05/abstra	FD05/talk.ppt	FD05/talk.gifs	2006	2006-FD-05	Suhara, Ken-ichiro; Fujii, Asuma; Mikami, Naohiko;	INFRARED SPECTROSCOPY OF PROTONATED AMINO ACIDS	IR spectroscopy of HS ⁺ +(MeOH) _n clusters	ar	En Department
FD06/abstra	FD06/talk.ppt	FD06/talk.gifs	2006	2006-FD-06	Giesen, Thomas F.; Neubauer-Guenther, Petra K.;	INFRARED STEPTROSCOPY ON CARBON NANOTUBES	Imagite The formation of pure carbon nanotubes	ar	En Physikalisches
FD07/abstra	FD07/talk.ppt	FD07/talk.gifs	2006	2006-FD-07	Karunatilaka, Chandana; Pedraza, Devian; Kulkarni, Anant;	THE HIGH-RESOLUTION INFRARED SPECTRUM OF THE CARBON NANOTUBE	High-resolution infrared spectroscopy of the carbon nanotube	ar	En Department

Batch Loading – Dublin Core

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The screenshot shows the Knowledge Bank interface. The title of the item is "TEMPERATURE EFFECTS IN HYDRATED ALKALI METAL IONS". It lists several files for download: an abstract GIF (15.30kb), an OSU PowerPoint (21.59Mb), and a slide GIF (148.6kb). The abstract text is visible below the files, starting with "The role of temperature or internal energy in solvated ions is the dominant factor in determining the structures of these species. The strong electrostatic interaction between the ion and the water molecules allows for multiple hydrogen-bonded and non-hydrogen bonded structures to co-exist at various temperatures. This reflects the competition between these two non-covalent interactions. I will present examples from our laboratory involving the alkali metal ions: $Li^+(+)$, $Na^2(+)$, $K^2(+)$ and $Cs^2(+)$, and three to five water molecules. The cluster ions are prepared by ion impact on preformed neutral clusters, which are then stabilized by evaporative cooling. Evaporation of water produces warmer clusters, while evaporation of argon generates colder species. By combining tandem mass spectrometry with tunable infrared laser spectroscopy, the vibrational spectra of these species in the 3300-3800 cm^{-1} region are obtained. Structural assignments are supported by *ab initio* calculations. At warmer temperatures, structures with fewer hydrogen bonds are favored, reflecting the role of entropy in these systems."

DSpace Dublin Core XML

DSpace Item Record

Building the Simple Archive Format

- Simple Archive Format

<https://wiki.duraspace.org/display/DSDOC18/Importing+and+Exporting+Items+via+Simple+Archive+Format>

- Custom Perl Scripts

- Examples

<http://hdl.handle.net/1811/46845>

- Stand-alone Java Tool

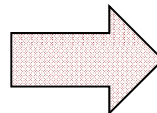
- Simple Archive Format Packager

<https://wiki.duraspace.org/display/DSPACE/Simple+Archive+Format+Packager>

Repurposing MARC Metadata

Repurposing MARC Metadata

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010 98012833
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049 OSUU
050 00 E525.5 42nd|b.H66 1998
082 00 973.7/471|221
090 E525.5|b.H66 1998
090 E525.5|b.H66 1998
100 1 Hopkins, Owen Johnston,|d1844-1902
245 10 Under the flag of the nation :|bdiaries and letters of
Owen Johnston Hopkins, a Yankee volunteer in the Civil War
/|cedited by Otto F. Bond
260 Columbus :|bOhio State University Press,|c1998
300 308 p. ;|c23 cm
500 Originally published: Columbus : Ohio State University
Press for the Ohio Historical Society, 1961, in series:
Publications of the Ohio Civil War Centennial Commission,
no. 1
504 Includes bibliographical references
600 10 Hopkins, Owen Johnston,|d1844-1902|vDiaries
600 10 Hopkins, Owen Johnston,|d1844-1902|vCorrespondence
610 10 United States.|bArmy.|bOhio Infantry Regiment, 42nd (1861-
1864)
610 10 United States.|bArmy.|bOhio Infantry Regiment, 182nd (1864
-1865)
650 0 Soldiers|zOhio|vBiography
651 0 Ohio|xHistory|yCivil War, 1861-1865|vPersonal narratives
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Full metadata record

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dc.type	book	en_US

Appears in Collections: [Ohio State University Press publications](#)

Dublin Core - IR

MARC - Catalog

Repurposing MARC Metadata

- XSLT Workflow
- Export Tab Delimited Records Workflow

XSLT Workflow

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Knowledge BANK University Libraries and the Office of the Chief Information Officer

Search the Knowledge Bank

Under the flag of the nation: diaries and letters of Owen Johnston Hopkins, a Yankee volunteer in the Civil War

Files

Files	Size	Format	View
UNDER_THE_FLAG_OF_THE_NATION.pdf	20.55Mb	PDF	View/Open

Title: Under the flag of the nation: diaries and letters of Owen Johnston Hopkins, a Yankee volunteer in the Civil War

Creators: Hopkins, Owen Johnston, 1844-1902; Bond, Ottn Ferdinand, 1885-1958

Subjects (LCSH): Hopkins, Owen Johnston, 1844-1902 -- Diaries; Hopkins, Owen Johnston, 1844-1902 -- Correspondence; United States Army. Ohio Infantry Regiment, 42nd (1861-1864); United States Army. Ohio Infantry Regiment, 182nd (1864-1865); Soldiers -- Ohio -- Biography; Ohio -- History -- Civil War, 1861-1865 -- Personal narratives; United States -- History -- Civil War, 1861-1865 -- Personal narratives; Ohio -- History -- Civil War, 1861-1865 -- Regimental histories; United States -- History -- Civil War, 1861-1865 -- Regimental histories

Issue Date: 1998

Publisher: The Ohio State University Press

URI: <http://hdl.handle.net/1811/31750>

ISBN: 081420743X (print)

Other Identifiers: OCLC #38438740 (print); LCCN 98012833 (print)

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This item appears in the following Collection(s)

Ohio State University Press Publications

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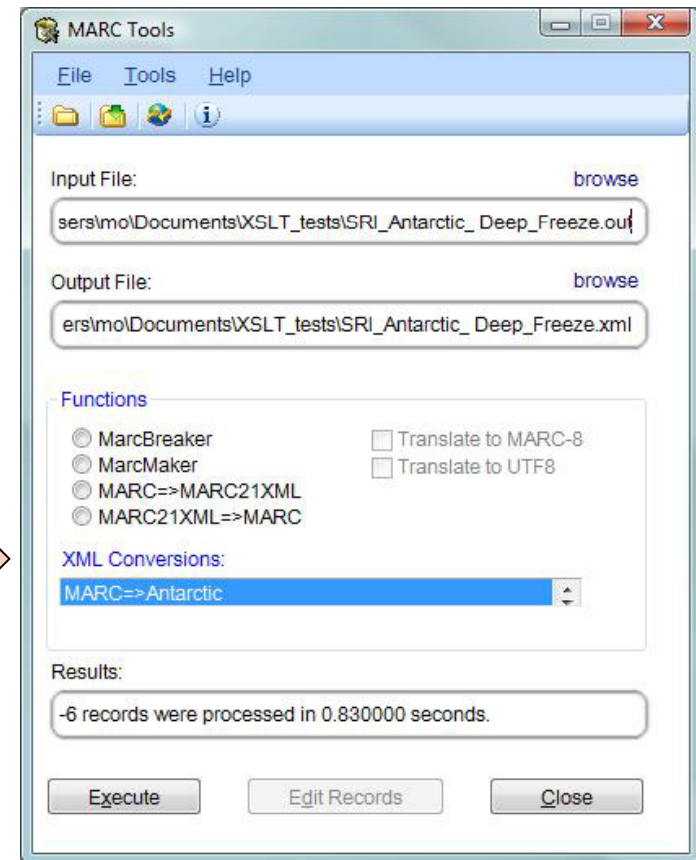
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[Truncated] XSLT

XSLT Workflow

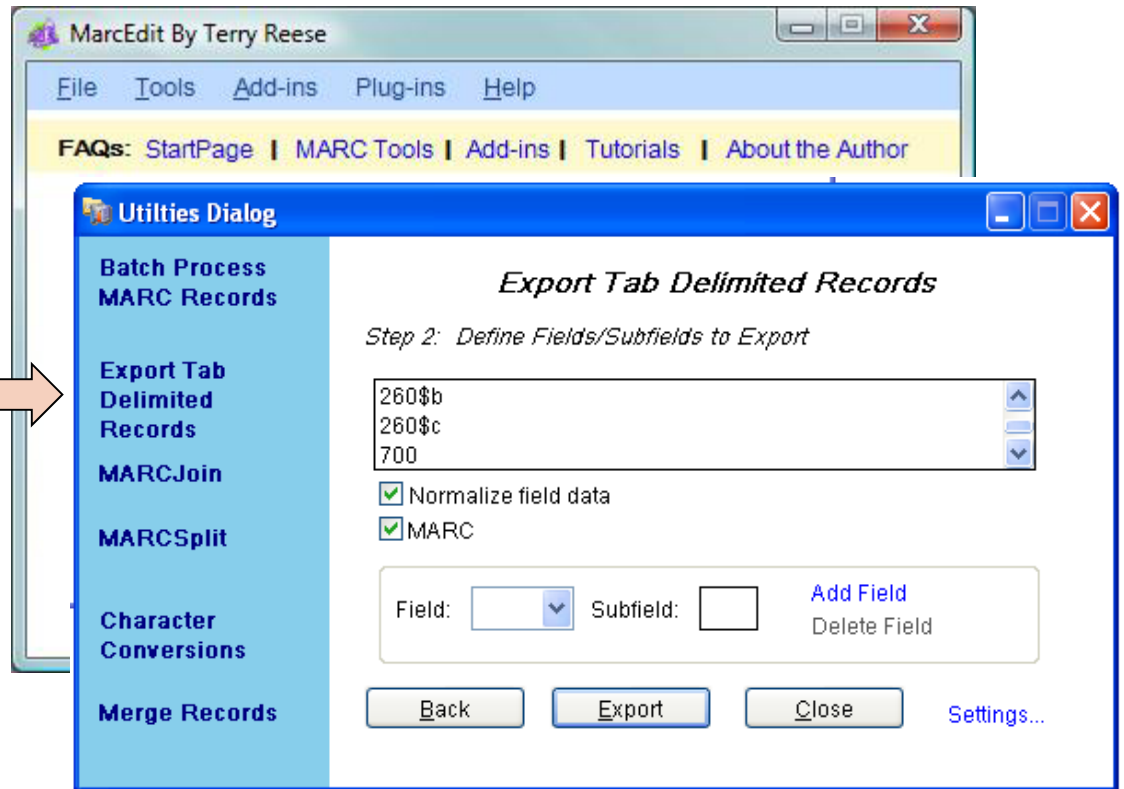


Full example available at:

<http://hdl.handle.net/1811/47564>

MarcEdit by Terry Reese

Export Tab Delimited Records Workflow



MarcEdit by Terry Reese

MarcEdit CSV Export

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4	Bhatia, Shivani.	Analysis of electronic commerce regulation in the global econo		2005		Ballam, Deborah A.,1949-			
5	Chen, Janie J.	From APB No. 25 to SFAS No. 123 :a	Ohio State University,	1996		Young, Richard A.			
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7	Gilmore, Nikki Ma	Career patterns for women in logis	Ohio State University,	1998		Cooper, Martha C.			
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9	Hare, Tara A.	The effects of the type of law and	Ohio State University,	1999		Bendapudi, Neeli.			
10	Helon, Ryan Josep	An experimental test of quasi-rati	Ohio State University,	1998		Jensen, Daniel.			
11	Jennings, Christin	An examination of Ohio State's un	Ohio State University,	1996		Murdock, Richard J.			
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13	Kouche, Robert A.	Service strategies and firm size in	Ohio State University, 1995.			Jensen, Daniel L.			
14	Leach, Andrew R.	An analysis of the housing industry	Ohio State University,	1996		Murdock, Richard J.			
15	Martz, Chad E.	The impact of personal tax prepara	Ohio State University,	2000		Krasniewski, Raymond J.			
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17	Mittal, Aditya.	What pre-merger conditions are necessary for mergers to be suc	[2003]						
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20	Schillings, Gregory	A study on environmental disclosu	Ohio State University, 1995.			Murdock, Richard.			
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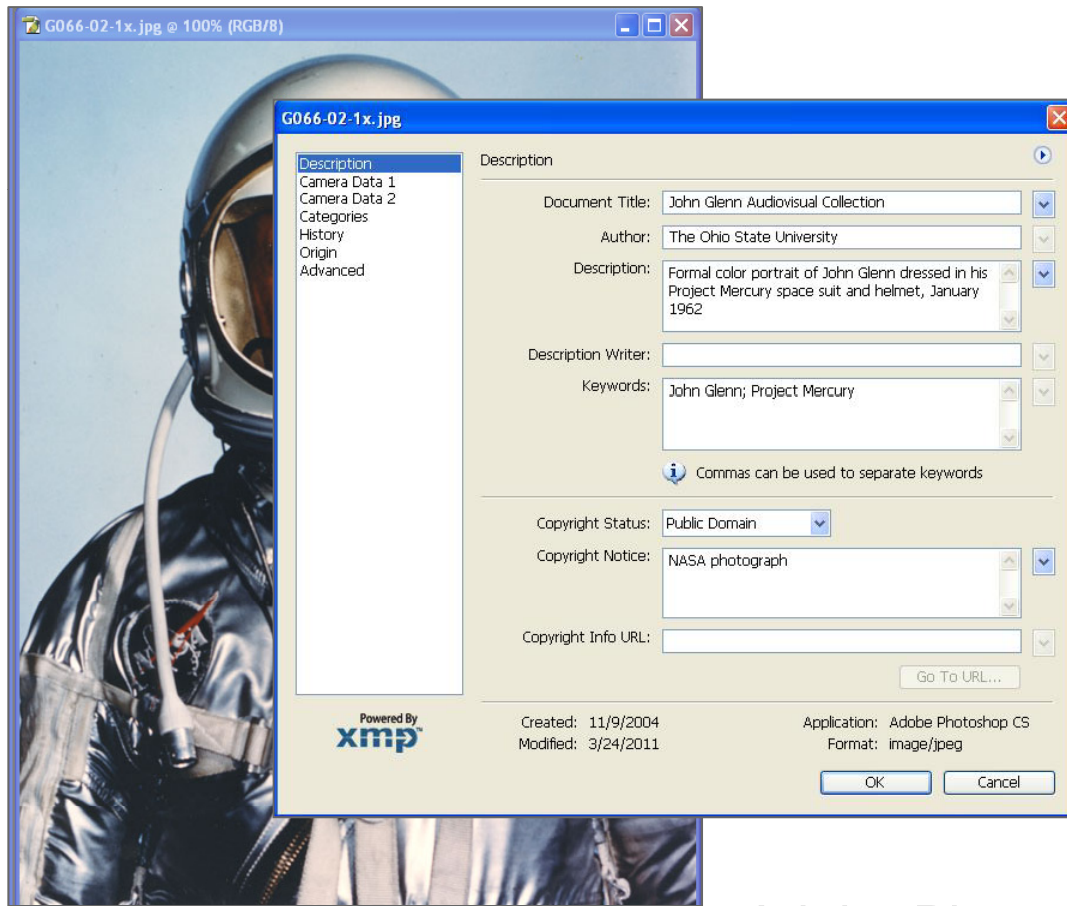
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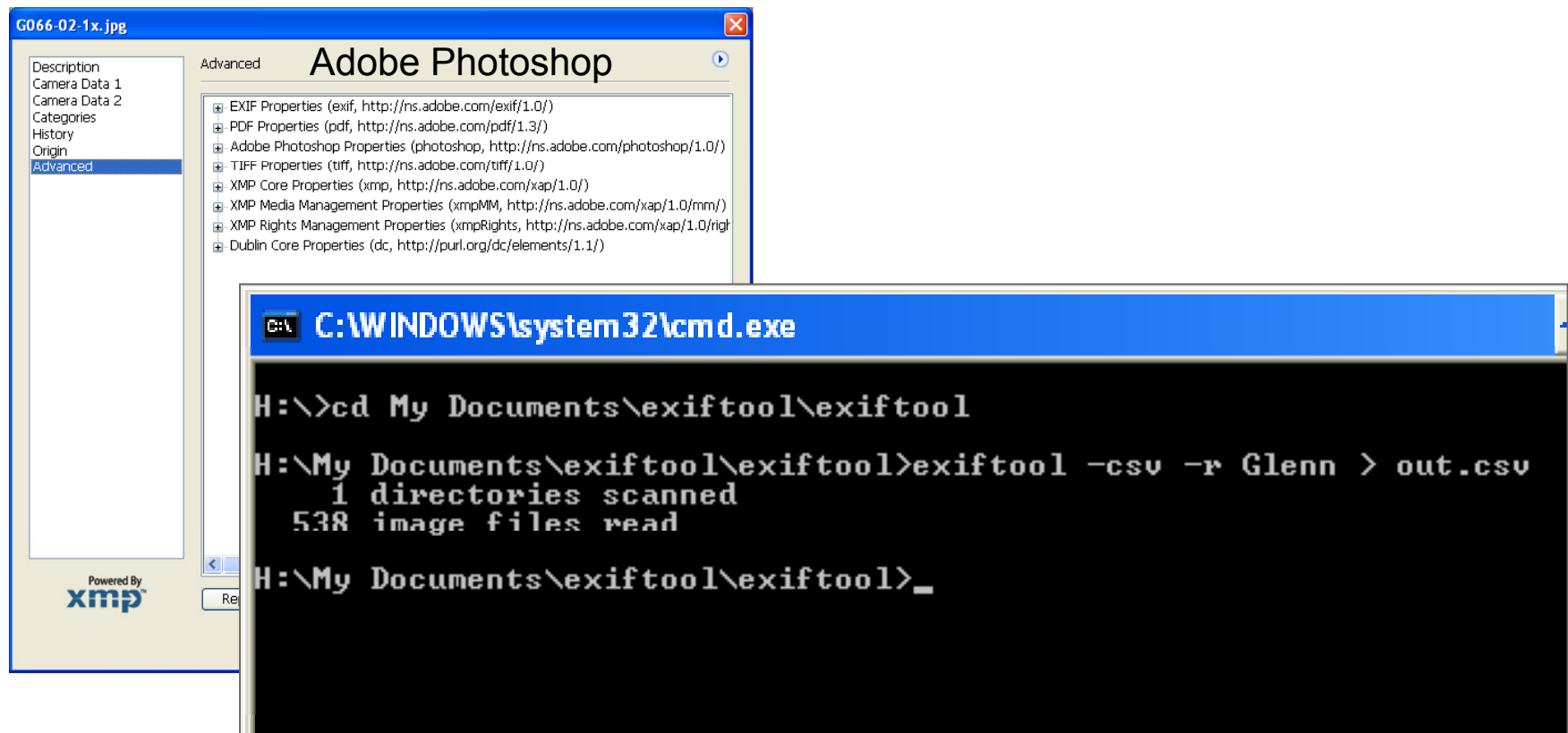
Repurposing Embedded Image Metadata

Embedded Metadata Workflow



Adobe Photoshop

Extracting Metadata with ExifTool



ExifTool CSV Export

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9	Glenn/G	JPEG (old-		EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY
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In celebration of the 50th anniversary of the *Friendship 7* space flight (February 20, 1962), when John Glenn became the first American to orbit Earth, a major exhibit on the space flight will be located in the Thompson Library, 1858 Neil Avenue Mall, Columbus, Ohio from February 1 – April 30, 2012. View more information about all of the upcoming events at OSU commemorating the 50th anniversary of John Glenn's *Friendship 7* space flight on the [Celebrating John Glenn](#) web site.

The John H. Glenn Archives Photo Gallery is a sampling of the more than five thousand photographs held in the Audiovisual Collection Sub-group of the John H. Glenn Archives. The gallery contains 536 photographs from John Glenn's family and his military, NASA, Senate, and post-Senate careers dating from 1917 to 2007. In addition, the gallery contains one image ([G213-1](#)) of John and Annie Glenn held by The Ohio State University Photo Archives.

For further information please contact [Jeffrey W. Thomas](#).

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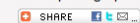
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2. Abbott, Graham J., and Dean A. DeRosa, "Domestic Resource Mobilization Through Financial Development: Pakistan," Asian Development Bank, Economics Office, Manila, Philippines, February 1984, 165 pages. [3409]
3. Abbott, J. C., "Financing Fertilizer Distribution Networks," Monthly Bulletin in Agricultural Economics and Statistics, Vol. 2, No. 5, May 1977, 7 pages. [1654]
4. Abbott, J. C., "Reform of Marketing and Credit in Developing Countries - With Particular Reference to Africa," Marketing and Credit Service, Agricultural Services Division, FAO of the United Nations, Rome, Italy, May 1986, 20 pages. [3402]
5. Abdalla Ali, Ali, "How to Reach the Small Farmer? An Islamic Formula," IFDA dossier No. 75/76, pp. 35-44, IFDA, Khartoum, Sudan, 1989, 10 pages. [4249]
6. Abe, S. I., "Nigerian Farmers and Their Finance Problems," Seminar on Agricultural Credit and Finance in Nigeria, April 27- 30, 1981, at Conference Center, University of Ibadan, Nigeria, Banking Supervision Department, Central Bank of Nigeria, Lagos, 1981, 29 Pages. [2512]
7. Abiad, Virginia G., "Borrower Transaction Costs & Credit Rationing in Rural Financial Markets: The Philippine Case," College of Business Administration, University of the Philippines, Diliman, Quezon City, The Philippines, October 1988, 166 pages. [0480]

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8. Abiad, Virginia G., "Research Fellow Monogr 1993, 118 pages. [5380
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