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## Synchronizing Holdings for Improved Discoverability

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# SYNCHRONIZING HOLDINGS FOR IMPROVED DISCOVERABILITY

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University of Kentucky  
Presented to OVGTSL  
May 2, 2012

# Task Force Charge

- “The UK Reclamation Task force is charged with planning and implementing a one-time OCLC reclamation project. The OCLC reclamation project’s aim is to synchronize the libraries’ holdings between OCLC and our Voyager online catalog”—Oct. 2010

# Batchload for Reclamation

- You send all the records from your local system to OCLC to set your library's holdings in WorldCat.
- As your institution's holdings are set, the date of this batchload transaction is "stamped" on each record.
- After batch processing is complete, a Scan/Delete is performed that removes your holdings from records with a date stamp earlier than the date of the batchload transaction (typically the date when you extracted your records for submittal to OCLC).
- Any holdings set after the date of the Scan/Delete are not removed from WorldCat. Therefore, you can continue online cataloging while your records are processed. OCLC recommends, however, that you stop deleting holdings until the reclamation project is complete.
- By default, Scan/Deletes are processed to skip any holding set on a record that has a Local Holdings Record (LHR) attached. The LHR will remain and the holding will remain set on the record, regardless of date stamp. However, you can request to remove the LHR and the related holding.

# Planning

- Weekly meetings
  - [http://www.oclc.org/us/en/support/documentation/batchprocessing/using/guide/3\\_orderbatch.pdf](http://www.oclc.org/us/en/support/documentation/batchprocessing/using/guide/3_orderbatch.pdf)
  - Batchload order checklist  
<http://www.oclc.org/us/en/support/documentation/batchprocessing/using/checklistfororderingBib.pdf>
  - “A Guide to OCLC’s Batch Services,” by Margi Mann, OCLC Western Service Center
  - Other Voyager libraries
  - 2010 OVGTSL presentation “Benefits of Batch Reclamation,” by Roman Panchyshyn
  - Questions to OCLC
- How to proceed with KUK, KUM, KNE
- Cannot identify provisional records

# Decisions

- What locations to send
- Records to exclude
  - Locations for which we do not set OCLC holdings
  - Locations which represent acquisitions records
  - Locations where bib and/or holding is suppressed
  - CIS vendor records
- Match points
  - OCLC # AND title AND format
- Do not add records to OCLC that are unmatched
  - Identify and report the unmatched

# Timing

- Avoid end of year close out
- Before August Voyager upgrade
- Notification to all effected
- Other ongoing projects?

# Executing

- May 6, 2011 take a deep breath, push the button
  - Batchload order submitted online
  - Fine-tuning
    - Add 852 for KUK, KUM, KNE
  - Extract and send records
    - Files of 90,000 or fewer records
    - 40 files. 2.6 million records. 4 gigabytes of data.
- Week of June 21 processing ...
- Reports 6/29/2011 – 7/7/2011



# Oops!

- Too many Unresolved, too many deletes  
Unresolved – 138,085  
Delete – 162,430
- “Gap” files August – match only on OCLC #
  - 9506 records identified on ScanDelete file which matched with Voyager
  - Some missed locations
  - Some mis-matched locations
  - Records added since 6/6/2011

8/1/2011 files sent

# Preliminary results

- Where are those results
  - 8/22/2011 Where are those files?
- Deletes – 74,214
- Recommendation to proceed
  - Approval by Associate Dean
  - Notified OCLC 10/4/11 to run the Scan/Delete

# Results

- 10-12-2011 – Confirmation that Scan/Delete was run
- Cross Reference reports
- Unresolved reports
- UDEV reports
- Our records w/ normalized OCLC #
- Local reports created
  - Scan/Delete report expansion
  - Reclaim No Match report

# Now what

- Task Force dissolved & cleanup dispersed
  - Known problems for KUK, KNE, KME
- Separated reports for KUK, KNE & KUM
- LOTS of data to analyze

# Immediate cleanup-

## Known problems

- Delete KUK holdings from mc,av held records
- Batch load holdings to OCLC from Marcive loads completed July – Dec. 2011
- Identify “mismatched” records from the batch processing, delete holdings from OCLC and add holdings to [Estimate 5000-6000 records for KUK; 200 records for Law; 200 records for MCL
- Correct 38 “rejects” identified on UDEV reports

# Cross Ref report

## OCLC XREF REPORT

OCLC Control #	Submitted 001 Field
5917583	249702
75960588	2497080
5917834	249709
78616735	2497122
5918153	249715
5918257	249719
62271538	2497193
59224184	2497194
53937637	2497195
56942443	2497196
55700678	2497197
56480923	2497198
43591175	2497199
5918283	249720

# UDEV reports

- MARC coding errors
  - Fixed Fields
  - 006 & 007
  - 024
  - Others
  - Lots of these are provisional records

# UDEV example - Rejected

ERROR: SUBFIELD \$6 NOT FIRST IN FIELD - POSITION 321 (020 FIELD)  
ERROR: SUBFIELD \$6 STRUCTURE INVALID - POSITION 321 (020 FIELD)  
ERROR: SUBFIELD \$6 PRESENT WITHOUT FIELD 880

LDR	24	0		00695cam	2200241 i 4500	
001	7	241		399395+		
005	17	248		20100309145847.0+		
008	41	265		770415s1960	nyu	00011 eng d+
020	21	306		=a0523009445=6pbk.+		
020	18	327		=a9780523009445+		
035	20	345		=a(OCOLC)02890093+		
035	14	365		=9ABT1367LM+		
040	24	379		=aMNL=CMNL=dKUK=dm.c.+		
050	26	403	14	=aPS3569.E84=bP750 1960+		
090	26	429		=aPS3569.E84=bP750 1960+		
100	22	455	1	=aSettle, Mary Lee.+		
245	43	477	10	=aPride's promise /=cby Mary Lee Settle.+		
260	46	520		=aNew York :=bPinnacle Books,=c1976, c1960.+		
300	21	566		=a432 p. ;=c18 cm.+		
690	25	587		=aNovel=y20th century.+		
690	42	612		=aAppalachian author: Settle, Mary Lee.+		
852	8	654		=aKUK+		
993	32	662		=aOCLCTrack=CE6Z2dbArq=r41778+		

RECORD REJECTED



# UDEV record - Errors

ERROR: INVALID DATA IN POSITIONS 7-10 OF 008 FIELD (DATE 1)  
ERROR: INVALID DATA IN POSITIONS 35-37 OF 008 FIELD (LANG)

```
LDR 24 0 |00806cam 2200181 a 4500|
001 7 181 |724671+|
005 17 188 |20040504144347.0+|
008 41 205 |000000snd xx 000 0 +|
035 14 246 |=9ADD0836LM+|
050 15 260 14 |=aCS71=b.F58+|
090 15 275 |=aCS71=b.F58+|
245 76 290 00 |=aJudge James Flanagan /=cby W. H. Polk ; transcr|
340 |ribed by George F. Doyle.+|
260 17 366 |=a<S.l ; s.n.>+|
300 24 383 |=a10 leaves ;=c28 cm.+|
500 325 407 |=a"This paper was transcribed from a newspaper c|
457 |lipping in the scrap book of Judge James Flanagan|
505 |n, which was kindly loaned by Colonel Lucien Bec|
553 |kner for the purpose. Unfortunately the clipping|
601 |contained neither the name of the newspaper fro|
649 |m which it was taken nor the date of the publica|
697 |tion, G.F.D."--inside front cover.+|
600 33 732 14 |=aFlanagan, James,=d1820-1906.+|
852 8 765 |=aKUK+|
993 32 773 |=aOCLCTrack=ce6Z2dbHMi=r66756+||
```

ERROR SEVERITY LEVEL 2

# Unresolved example - Provisional

=LDR 00181nam 2200085K1 4500

=001 2497213

=005 20061129103341.0

=008 021008s2000\\\$aPOETRY CHAPBOOK.

=245 10\$

=852 \\\$aKUK

=LDR 00209nam 2200085Ki 4500

=001 2497760

=005 20061206114437.0

=008 021008s2000\\\$aWOMEN OF APPALACHIA: CONFERENCE PROCEEDINGS.

=245 10\$

=852 \\\$aKUK

=LDR 00256nam 2200109Ki 4500

=001 2498506

=005 20061213132351.0

=008 021008s2005\\\$aCross Roads.

=020 \\\$a0864419788

=245 10\$

=260 \\\$aMacon, GA\$bMercer University Press.

=852 \\\$aKUK

# Unresolved – Fuller

```
=LDR 01133nam 2200169K1 4500
=001 2579035
=005 20071023121043.0
=008 021008b\\reel\\xx\\a\\reel\\000\\0\\eng\\d
=050 14$aM2$b.C65
=090 \\$aM2$b.C65
=245 12$aA collection of sheet music for piano by various
authors, composers and publishers from the 19th century.
=300 \\$a1v. (unpaged) ;$c35 cm.
=505 0\\$aDelta Kappa Epsilon march -- Wedding march -- Grand
march, illustrative of "Stonewall Jackson's way" -- Blue Danube
waltzes -- Neu-Wien -- Les fifres de la garde -- A starry night
-- Margaretta -- Coral caves -- Amaryllis -- Falling leaves --
Recollections of Memphis -- Bijou of the opera -- Elisire d'amor
-- Theme de Beatrice di tenda -- The shepherd boy -- Jesus lover
of my soul -- Waiting -- Walking down Broadway -- Come, birdie
come -- The brook -- The sunny hours of childhood -- The rock
beside the sea -- Sunset waltz.
=590 \\$aProvenance: Tryon, Emily M., printed on front cover
(Special Collections copy).
=590 \\$aProvenance: Louisville Free Public Library (Special
Collections copy).
=650 \\0$aPiano music$y19th century.
```

# Some Other Things We Found

- Lots of things unrelated to the actual Reclamation
  - HRAF & Newsbank
  - EEBO/ECCO
  - GPO# = OCLC#
  - UK,MIA & UK,Lost (suppressed)
  - Microfilm suppressed in Voyager
  - Marcive shipping list records
  - Mismatches & 019
    - Format problems
    - Other library's reclamation projects
    - 019 (merged OCLC records)

# HRAF & Newsbank

- Holdings got set on OCLC sometime in the past; reclamation deleted them
- HRAF
  - Never loaded records into Voyager
  - We want these!
    - Able to get a list of OCLC #s from WorldCat collection set
- Newsbank
  - Never loaded the records into Voyager
  - OK – we don't want them

# EBBO/ECCO

- Vendor records in Voyager
  - OCLC # in Vendor record is for the print
- Don't want OCLC holdings set for these
- Deleted OCLC holdings on 51,527 records

# GPO # = OCLC #

- Some record loads pre-2000 copied the GPO record number into 035 (OCLC)ocm XXXXXXXXX
- Identified 7569 of these on ReclaimNoMatch report
- Changed the OCLC # in Voyager to reflect matched #
- Identified matches on 2<sup>nd</sup> XRef report where match was to OCLC # only – deleted holdings on OCLC

# UK,MIA &UK,LOST

- Show up on the Scan/Delete report
- OK that holdings are deleted from OCLC
- Identify all records in Voyager with these locations
  - Fold into Lost & Missing processing
  - Deleted 612 Voyager bib records
  - Deleted 608 OCLC holdings



# Microfilm suppressed records

- Records for preservation microfilm are suppressed in Voyager & therefore had holdings deleted in Reclamation
  - Need decision on whether to unsuppress and reset holdings
  - Many of these are UK theses/dissertations
  - 247 identified on Scan/Delete, there are probably more

# Marcive shipping list records – some matched in Reclamation; some on Unresolved

```
LDR      24      0      |00610nam  22002057a  4500|
001       8     205     |1525702+|
005      17     213     |20000508203347.0+|
008      41     230     |990909s1999      xxuuuu      f0uuu00eng

035      20     271     |=a (Marcive) tmps80+|
035      14     291     |=9AHU7193LM+|
040      13     305     |=aMvI=cMvI+|
074      14     318     |=a0769-A-02+|
086      29     332     0 |=aL 2.136:SO 8/F 76/997-98+|
245      68     361     00|=aSoutheastern United States Forestry
19|
                                411     |97-98, June 1999.+|
260      27     429     |=a<S.l. :=bs.n.,=c1999?>+|
500      32     456     |=aShipping List #: 99-0326-P.+|
500      34     488     |=aShipping List Date: 08/06/99.+|
710      48     522     1 |=aUnited States.=bBureau of Labor
cs.+|
852       8     570     |=aKUK+|
```

# Mismatches & 019s

- Mismatches
  - Title and format matches
    - Result of first (July) reclamation batches
  - Other libraries' reclamation records
  - 019 problems

# Example of a mismatch

OCLC 741022478 No holdings in KUK - 4 other holdings

Scores	Rec stat	c	Entered	20110120	Replaced	20111005030019.9
Type	c	ELvl	M	Src	d	Audn
BLvl	m	Form		Comp		AccM
Part		TrAr		MRec		Ctry
Desc	a	FMus		Ltxt	n	DtSt
				Dates	2011	, 1987

040		TDF #c TDF #d OHX
028	3 0	DU10024 #b Dunvagen Music
028	3 0	HL14024635 #b Hal Leonard
090		#b
049		KUKK
100	1	Glass, Philip, #d 1937-
245	1 4	The Light : #b for orchestra / #c Philip Glass.
260		London : #b Dunvagen Music, #c 1987, [2011].
300		1 score (124 p.) ; #c 36 cm.
500		In one movement. Commissioned by the Michelson-Morley Centennial Celebration for the Cleveland Orchestra. The music was inspired

OCLC 70714027 Held by KUK - 19 other holdings; 4 other IRs

Scores	Rec stat	c	Entered	20060728	Replaced	2011
Type	c	ELvl	I	Src	d	Audn
BLvl	m	Form		Comp	sp	AccM
Part		TrAr		MRec		Ctry
Desc	a	FMus	a	Ltxt	n	DtSt
				Dates	2006	, 1987

040		ZYU #c ZYU #d AZS
028	3 2	DU10024 #b Chester Music
028	3 2	14024635 #b Hal Leonard
028	3 0	HL14024635 #b Hal Leonard
045	0	#b d1987
048		oa
090		M1002.G53 #b L5 2000
090		#b
049		KUKK
100	1	Glass, Philip.
245	1 4	The light : #b a portrait in music of the scientists / Albert A. Michelson and Edward W. Morley and their studies of the veloc
260		Special order ed.
254		Full score.
260		London : #b Chester Music ; #a [Milwaukee] : #b Exclusively distributed by Hal Leonard, #c [200-?], c1987.

# Example of mismatch

OCLC

175052989

No holdings in KUK - 2 other holdings; 1 other IR

Continuing Resources										<a href="#">Rec stat</a>	c	<a href="#">Entered</a>	19870424	<a href="#">Replaced</a>	201
<a href="#">Type</a>	a	<a href="#">ELvl</a>	L	<a href="#">Srce</a>	d	<a href="#">GPub</a>	f	<a href="#">Ctrl</a>		<a href="#">Lang</a>	spa				
<a href="#">BLvl</a>	s	<a href="#">Form</a>		<a href="#">Conf</a>	0	<a href="#">Freq</a>		<a href="#">MRec</a>		<a href="#">Ctry</a>	ag				
<a href="#">S/L</a>	0	<a href="#">Orig</a>		<a href="#">EntW</a>		<a href="#">Regl</a>	x	<a href="#">Alph</a>	b						
<a href="#">Desc</a>	a	<a href="#">SrTp</a>		<a href="#">Cont</a>		<a href="#">DtSt</a>	c	<a href="#">Dates</a>	19uu	,	9999				

010		#z 85646543
040		UU #b eng #c MNU #d OCLCQ #d KYUBL
043		s-ag---
050	1 4	J201 #b .K330
090		#b
049		KUKK
110	1	Argentina. #b Congreso de la Nación. #b Cámara de Diputados de la Nación.
245	1 0	Diario de sesiones / #c Cámara de Diputados de la Nación.
260		[Buenos Aires] : #b Impr. del Congreso de la Nación
300		v. ; #c 28 cm.
310		Irregular

OCLC

2782531

Held by KUK/LHR - 32 other holdings; 1 other IR

Continuing Resources			Rec stat	c	Entered	19770307		Replaced	201
Type	a	ELvl	Src	c	GPub	f	Ctrl	Lang	spa
BLvl	s	Form	Conf	0	Freq	a	MRec	Ctry	ag
S/L	0	Orig	EntW		Regl	r	Alph		
Desc		SrTp	Cont		DtSt	c	Dates	1862	, 9999

010		sn 88014105
040		lXA #b eng #c lXA #d NST #d IUL #d BLBSF #d OCLCQ
012		#i 8811
019		11377660
042		pcc
043		s-ag---
050	4	J201 #b .K3
090		#b
049		KUKK
110	1	Argentina. #b Congreso de la Nación. #b Cámara de Diputados de la Nación.
245	1 0	Diario de sesiones de la Cámara de Diputados.
260		[Buenos Aires] #b Impr. del Congreso de la Nación.
300		v. #c 28 cm.
310		Annual
362	1	Began in 1862.

# Next Steps

- “019” problem records
- Identify and correct additional mismatches
  - Including Marcive shipping list matches
- 100,000 records still to be analyzed & resolved
- Review URES and UDEV reports
  - Provisionals ok
  - Vendor records ok
  - Others need work?
- Analyze LHR report and implement database cleanup process
- Normalization of OCLC # for WorldCat Local match

# Positives

- Approximately 36,000 KUK holdings = good deletes
  - Expect KNE & KUM have similarly good result
- Identified LOTS & LOTS of database cleanup
  - Catalog much “cleaner”
  - Identified some workflow problems
- At this point, holdings are closer to in synch
- OCLC credit for mismatch deletes

# Considerations

- Every library catalog is different
- Be selective about records sent
- There is a LOT of database cleanup
- Not a short term project
- Right mix of resources and staffing
  - Programmers
  - Cataloging experts
  - Batch processing





# Questions?

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