

# National Digital Newspaper Program

## 2017 Digital Asset Metadata Elements - Dictionary

### NOTES:

- Metadata elements below are described by original object. Elements may appear in more than one digital object per NDNP specifications. Mandatory (and mandatory if available) elements are marked as “M” (or “MA”) and appear in red.

Data Description	Data Type	Example	Notes	Repeatable R= repeatable NR = non-repeatable	Mandatory M=mandatory MA=mandatory, if available O=optional	Xpath (see XML templates) and/or Data location
<b>General Information</b>						
<b>Awardee Name</b>	String	New York Public Library	Name of institution that received the NEH award	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/metsHdr/mets:agent/mets:name  mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/metsHdr/mets:agent/mets:name
<b>Award Year</b>	enumeration	2017	Year of NEH award under which the digitization of this content was funded	NR	<b>M</b>	Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:awardYear
<b>Original Source Repository</b>	String	Multiple examples:  Library of Congress; Washington, DC  or	Owner of original source that was digitized (micro-film or paper) ; city and state postal abbreviation	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:location/mods:physicalLocation/@displayLabel  mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdW

		New York Public Library; New York, NY				rap/mets:xmlData/mods:mods/mods:relatedItem/mods:location/mods:physicalLocation/@displayLabel
<b>Original Source Repository Code</b>	enumeration	dlc	Normalized MARC organization code of owner of source. See <a href="http://www.loc.gov/marc/organizations/org-search.php">http://www.loc.gov/marc/organizations/org-search.php</a> for more information and code list.	NR	<b>MA</b>	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:location/mods:physicalLocation</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:location/mods:physicalLocation</p>
<b>Digital Responsible Institution</b>	String	<p>Multiple examples:</p> <p>Library of Congress; Washington, DC</p> <p>or</p> <p>Library of Virginia; Richmond, VA</p>	Awardee institution; city and state postal abbreviation	NR	<b>M</b>	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type="agency ResponsibleForReproduction"]/@displayLabel</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel</p> <p>TIFF: ImageProducer</p> <p>PDF: rdf:Description/dc:description/</p>

						<p>rdf:Alt/rdf:li  JPEG2000: rdf:Description/ dc:description/  rdf:Alt/rdf:li</p>
<b>Digital Responsible Institution Code</b>	enumeration	<p>Multiple examples:  dlc    oru    vi</p>	<p>Normalized MARC organization code of Awardee. See <a href="http://www.loc.gov/marc/organizations/org-search.php">http://www.loc.gov/marc/organizations/org-search.php</a> .</p>	NR	<b>MA</b>	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type="agencyResponsibleForReproduction"]</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note</p> <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:awardee</p>
<b>Batch name Sample</b>	String	batch_dlc_2017sample	<p>For initial sample batch, use this naming structure:</p> <p>batch_[MARC organization code*]_[year of award]sample</p> <p>For production batches, use this naming structure:  batch_[MARC</p>	NR	<b>M</b>	<p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:name</p>
<b>Batch name Production</b>	String	batch_dlc_apple	<p>batch_[MARC</p>			

			<p>organization code*]_[keyword**].</p> <p>*For MARC Organization code, see <a href="http://www.loc.gov/marc/organizations/org-search.php">http://www.loc.gov/marc/organizations/org-search.php</a>.</p> <p>** Batch keywords are unique within the deliveries of a given awardee throughout their program participation. Keywords (in alpha order for a given grant period) are selected by awardees. NOTE: All batch names must be lower-case. (batch _[orgcode]_[keyword]. Only 2 underscores are permitted per batch name (e.g., batch_dlc_thomasjefferson)</p>			
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<b>Title Information</b>						
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<b>LCCN</b>	string	sn83031150 or 2007123234	Use canonical (normalized) form of LCCN for associated title bibliographic description. See	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier/@type
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			<a href="http://www.loc.gov/marc/lccn-namespace.html">http://www.loc.gov/marc/lccn-namespace.html</a>			<p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/newspapertitle:lccn</p> <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:lccn</p> <p>PDF: rdf:Description/dc:description/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description</p> <p>JPEG2000: rdf:Description/ dc:description/ rdf:Alt/rdf:li</p>
<b>Title</b>	string	<p>Multiple examples:</p> <p>The national forum. (Washington, D.C.)</p> <p>The Weekly roundabout. (Frankfort, Ky.)</p> <p>The Irish standard. (Minneapolis, Minn. ; St. Paul, Minn.)</p>	<p>Combine MARC 245\$a and (260\$a)</p> <p>Or</p> <p>Combine MARC 245\$a and (264\$a) [for RDA records]</p> <p>Or</p> <p>MARC 130\$a</p> <p>(Use of the MARC 130 field is permitted only if the field is present and well-formed.)</p> <p>(If multiple MARC 260\$a fields are present, include all within parentheses and separate</p>	NR	<b>M</b>	<p>PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li</p> <p>PDF: rdf:Description/dc:description/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:title/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:description/ rdf:Alt/rdf:li</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]@L ABEL</p>

			each with a space.)			
Volume Number	string	27	Following SICI standard: (1.) All numeric information shall be converted to Arabic numerals. (2) Alphabetic data used as enumeration designations shall be transcribed as they appear on the piece, and converted to uppercase.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="volume"]/mods:number
<b>Edition Order</b>	positive integer	Multiple examples: 1 2 3	Default is 1. If more than one edition on this date, number in chronological order.	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="edition"]/mods:number  Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:editionOrder  JPEG2000: rdf:Description
Edition Label	string	Multiple examples: Late City Final  Two Stars (Final Edition)  Extra	If present, record as printed. (If not present, do not generate.)  If symbol is used to indicate edition label (e.g., two stars), describe the visual symbols and the meaning of those symbols in parentheses (i.e. if 2 stars are used to represent Final Edition,	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="edition"]/mods:caption  mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]@LABEL

			then Field value should be "Two Stars (Final Edition)".)			
Issue Number	string	3	Following SICI standard: (1.) All numeric information shall be converted to Arabic numerals. (2) Alphabetic data used as enumeration designations shall be transcribed as they appear on the piece, and converted to uppercase.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="issue"]/mods:number
<b>Issue Date</b>	date	1908-03-21	Actual date issued, corrected if necessary. Use this particular ISO 8601 style: YYYY-MM-DD.	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:originalInfo/mods:dateIssued  Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:issueDate  PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li  PDF: rdf:Description/dc:description/ rdf:Alt/rdf:li  JPEG2000: rdf:Description  JPEG2000: rdf:Description/dc:title/ rdf:Alt/rdf:li  JPEG2000: rdf:Description/dc:date/ rdf:Seq/rdf:li  mets:mets[@TYPE="urn:library-of-

						congress:ndnp:mets:newspaper:issue"]@LABEL
<b>Issue Present Indicator</b>	string	Not digitized, published	Valid values are: Present;  Not digitized, published;  Not digitized, not published;  Not digitized, publishing unknown.  (Note: "Present" means Published and digitized).	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note
Issue Present Comment	string	No issue published due to weather.	To record any additional known information indicated in film on missing issues.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel
<b>Issue Date As Labeled</b>	date	1908-03-21	If date printed was in error (not the date issued), this field reflects the incorrect date as printed. Include this field only if date printed was in error. Use this particular ISO 8601 style: YYYY-MM-DD.	R	<b>MA</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:originalInfo/mods:dateIssued[@qualifier="questionable"]
<b>Page Information</b>						
Section Label	string	B	If present, record as printed, to reflect logical Section navigation. (If	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="sectionModsBib1"]/mets:



			not present, do not generate.) Could be blank, “C,” “IV,” “3,” “Business,” etc. If more than one Section heading per page, record dominant heading or combine headings (limit to approx. 6 words).			mdWrap/mets:xmlData/mods:mods/mods:part/mods:detail[@type="section label"]/mods:number
<b>Page Sequence Number</b>	positive integer	13	This orders the pages within an issue, regardless of printed page number. See Page Number field below. This field is particularly useful for multi-section titles.	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:extent[@unit="pages"]/mods:start  JPEG2000: rdf:Description
Page Number	string	B3	Exactly as printed. If not printed, element should be omitted. If not used, element should be omitted.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:detail[@type="page number"]/mods:number  PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li  JPEG2000: rdf:Description/dc:title/ rdf:Alt/rdf:li
<b>Page Physical Description</b>	string	microfilm	Valid values: microfilm, microfiche, print.	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:physicalDescription/mods:form  TIFF: FileSource (See NDNP TIFF profile

						for more information on acceptable values.)
<b>Page Present Indicator</b>	string	Present	Valid values are: Present;  Not digitized, published;  Not digitized, not published;  Not digitized, publishing unknown.  Note: "Present" means Published and digitized.	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:note[@type="noteAboutReproduction"]
Page Present Comment	string	Best copy available	To record any additional known information indicated in film.	NR	<b>O</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:note[@type="noteAboutReproduction"]/@displayLabel
<b>Reel Information</b>						
<b>Reel Number</b>	string	375892205698	Reel number to correspond with LC barcode supplied for all duplicate microfilm reels deposited with LC. --Not mandatory if page is missing (even if page is represented by a target).	NR	<b>MA</b>	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:identifier[@type="reel number"]  mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:m dWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier[@type="reel number"]  Xml:xml[@TYPE="urn:library-of-

						<p>congress:ndnp:batch”]/reel:reelnumber</p> <p>TIFF: Document Name</p> <p>PDF: rdf:Description/dc:identifier/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:identifier/ rdf:Alt/rdf:li</p>
<b>Reel Sequence Number</b>	positive integer	1	This orders the records <b>within a reel</b> . Indicate position of the image within the microfilm reel sequence.	NR	<b>MA</b>	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:identifier[@type="reel sequence number"]</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier[@type="reel sequence number"]</p> <p>TIFF: ImageUniqueID</p> <p>PDF: rdf:Description/dc:identifier/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:identifier/ rdf:Alt/rdf:li</p>
<b>Object Format</b>	string	Microfilm	Valid value (currently): Microfilm	NR	<b>M</b>	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:physicalDescription</p> <p>TIFF: FileSource (See NDNF TIFF profile for more information on acceptable values.)</p>
<b>Tech Target</b>	string	Preservation	Valid value (currently):	NR	<b>M</b>	mets:mets[@TYPE="urn:library-of-

<b>Label</b>		Microfilm Scanner Target PMT1	Preservation Microfilm Scanner Target PMT1			congress:ndnp:mets:microfilmReel"]/mets:dm dSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:titl eInfo/mods:title
Titles (on Reel)	string	<p>Multiple examples:</p> <p>The national forum. (Washington, D.C.)</p> <p>The Weekly roundabout. (Frankfort, Ky.)</p> <p>The Irish standard. (Minneapolis, Minn. ; St. Paul, Minn.)</p>	<p>Combine MARC 245\$a and (260\$a)</p> <p>Or</p> <p>Combine MARC 245\$a and (264\$a) [for RDA records]</p> <p>Or</p> <p>MARC 130\$a. (Use of the MARC 130 field is permitted only if the field is present and well-formed.)</p> <p>(If multiple MARC 260\$a fields are present, include all within parentheses and separate each with a space.)</p> <p>Use title that corresponds to the folder in which the reel XML file resides. Make note of multiple titles in "comments" element (below).</p>	NR	O	<p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:titles</p>

Start Date	date	1881-11-22	Use this particular ISO 8601 style: YYYY-MM-DD.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:startDate
End Date	date	1881-11-16	Use this particular ISO 8601 style: YYYY-MM-DD.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:endDate
Position	string	2a	1a, 2a, 1b, 2b	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:position  TIFF: Orientation
Reduction Ratio	string	20x	If stated, transcribe. If not stated, estimate.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:reductionRatio
Capture Resolution Original	string	300	Resolution relative to original material, measured in pixels/inch (or mm.).	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:captureResolutionOriginal
Capture Resolution Film	string	6000	Resolution relative to microfilm, measured in pixels/inch (or mm.). Capture Resolution Film = Reduction Ratio x Capture Resolution_Original.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:captureResolutionFilm
Guide To Contents Present	boolean	true	Valid values are "true" for present; "false" for	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:a

Flag			missing.			mdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:guideToContentsPresentFlag
Guide To Contents String	string	Title established April 30...	If present, transcribe text from Guide to Contents, as it appears on film	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:guideToContentsString
Date Microfilm Created	string	1986	Date of microfilm creation	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dateMicrofilmCreated
Loose Leaves Flag	boolean	false	For original material; Valid values: true, false	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:looseLeavesFlag
Bound Volume Flag	boolean	true	For original material; Valid values: true, false	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:boundVolumeFlag
Comments	string		Any general comments regarding the reel, duplication process, or content, etc. If listing multiple titles on the reel, include associated LCCNs and date spans of each title.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:comments
Dimensions	string	17x23 in.	From original materials, if possible, or from N.W. Ayer & Son. N.W. Ayer & Son's American Newspaper Annual. Philadelphia : N.W.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dimensions

			Ayer and Son, 1880-1909, or other sources.			
Pages Per Issue	positive integer	4	Estimate from microfilm, or from N.W. Ayer & Son. N.W. Ayer & Son's American Newspaper Annual. Philadelphia : N.W. Ayer and Son, 1880-1909, or other sources. See <a href="http://www.loc.gov/rr/news/news_research_tools/ayersdirectory.html">http://www.loc.gov/rr/news/news_research_tools/ayersdirectory.html</a>	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:pagesPerIssue
Number Of Resolution Targets	positive integer	2	Refers to microfilming resolution targets.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:numberOfResolutionTargets
Resolution Of Master	floating point number	7.1	Resolution of original camera master microfilm. Record actual number from line-pair resolution test pattern on film, if available.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionOfMaster
Resolution Of Master: Comments	string		Any comments relating to the resolution of the camera master microfilm	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionCommentMaster
Density Reading Master	floating point number	0.91	Ten readings per reel.	R	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:densityReadingMaster

Average Density Master	floating point number	0.95	The average density of the camera master microfilm	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:averageDensityMaster
Dmin Master	floating point number	0.2	The minimum density point on the camera master microfilm	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dminMaster
Resolution Of Duplicate Negative	floating point number	6.3	Resolution of the duplicate negative used for digitization. Record actual number from line-pair resolution test pattern on film, if available.	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionOfDuplicateNegative
Resolution Of Duplicate Negative: Comments	string	Weak 7.1	Any comments relating to the resolution of the duplicate negative used for digitization	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionCommentDuplicateNegative
Density Reading Duplicate Negative	floating point number	1.14	Ten readings per reel.	R	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:densityReadingDuplicateNegative
Average Density Duplicate Negative	floating point number	1.1	The average density of duplicate master negative used for digitization	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:averageDensityDuplicateNegative
Dmin Duplicate Negative	floating point number	0.15	The minimum density point on the duplicate negative used for digitization	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dminDuplicateNegative