#### The Preservation of Internet Materials Cited in Judicial Opinions



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### **Link Rot =** When a URL becomes invalid.

# **Reference Rot =** When a URL is valid, but the webpage has been altered.

# Why Does Link Rot Matter?



Citations are the foundation of legal opinions. Rotten citations weaken opinions just as a bad foundation weakens a building.

# Why Does Link Rot Matter?

- The ability of future readers to view and learn more about the material cited in an opinion is central to the precedent.
- An opinion with a citation that cannot be examined in full might result in an incorrect understanding of the opinion.

#### Ways of Addressing Link Rot:

• An Internal Hard-Copy Archive



• An Internal Electronic Archive



• An External Electronic Archive



# **An Internal Hard-Copy Archive**







- Retention of control.
- Ability to include information that might not be subject to archiving by an external provider (e.g., material obtained from behind a paywall).
- Limited access.
- Published opinion contains a URL that might lead nowhere or to incorrect information.

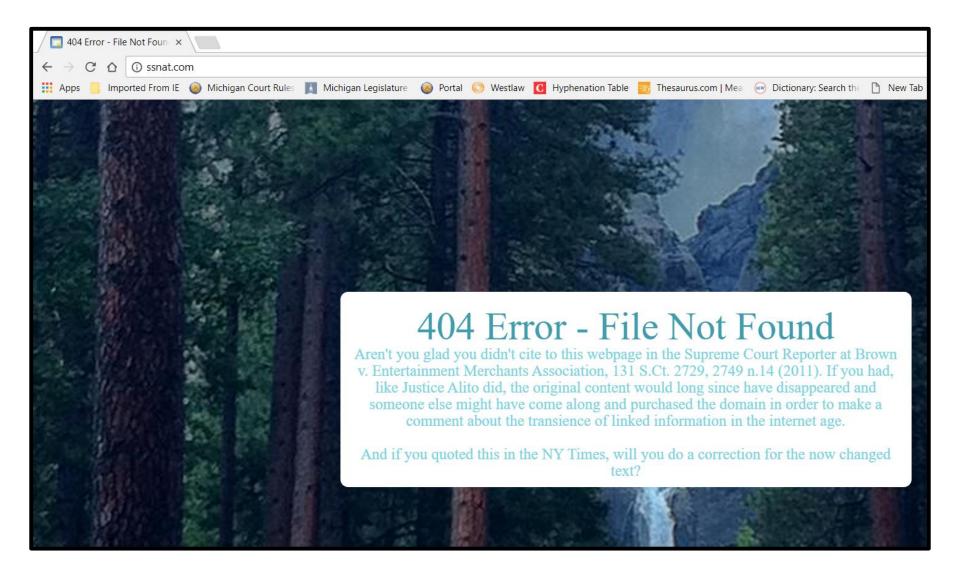
#### The ssnat.com Example:

Brown v Entertainment Merchants Ass'n, 564 US 786, 819 n 14 (2011) (Alito, J., concurring).

presumably understands the nature of video games and that supports respondents—tells us that video games are

ginia Tech Killings, Time (Apr. 20, 2011), http://newsfeed.time.com/ 2011/04/20/school-shooter-video-game-reenacts-columbine-virginia-techkillings. After a Web site that made School Shooter available for download removed it in response to mounting criticism, the developer stated that it may make the game available on its own Web site. Inside the Sick Site of a School Shooter Mod (Mar. 26, 2011), http://ssnat.com. <sup>15</sup>Leb "Rane<sup>L</sup>av" Video Game Ger Vivel Arid. Qutrace CNN

#### The ssnat.com Example



Accessed September 6, 2017

#### The ssnat.com Example

## 404 Error - File Not Found

Aren't you glad you didn't cite to this webpage in the Supreme Court Reporter at Brown v. Entertainment Merchants Association, 131 S.Ct. 2729, 2749 n.14 (2011). If you had, like Justice Alito did, the original content would long since have disappeared and someone else might have come along and purchased the domain in order to make a comment about the transience of linked information in the internet age.

And if you quoted this in the NY Times, will you do a correction for the now changed text?

# **An Internal Electronic Archive**



- Easily accessible.
- Retention of control.
- Requires court resources (staff time, server space, etc.).

# The Ninth Circuit's Electronic Archive 2008 to 2015

http://www.ca9.uscourts.gov/library/webcites/



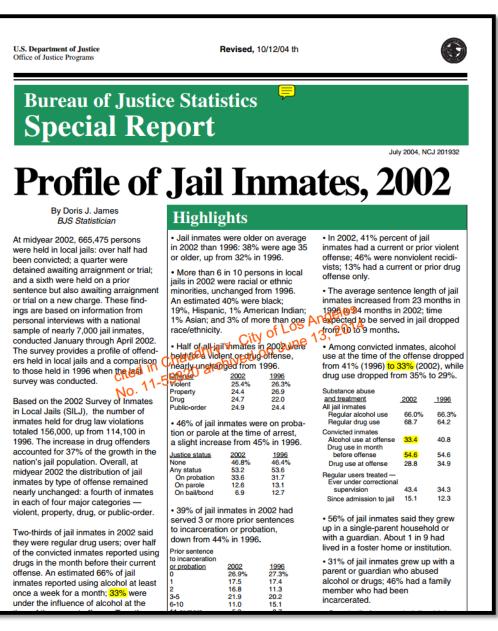
#### The Ninth Circuit's Electronic Archive

http://www.ca9.uscourts.gov/library/webcites/

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Case Name	Date Of Opinion	Docket Number	Reporter Citation	Document Description	URL In Opinion
<u>Blixseth v.</u> Yellowstone Mountain Club	2/18/2014	12-35986	742 F 3d 1215	Club	http://goo.gl/tfWQ5n (relocates to : http://www.yellowstoneclub.com/index.php/s ki/mountain)
<u>Chaudhry v. City of</u> <u>Los Angeles</u>	5/19/2014	11-55820 11-55906 11-55907	751 F 3d 1096	Profile	http://www.bjs.gov/content/pub/pdf/pji02.pd f
<u>Cohen v. City of</u> <u>Culver City</u>	6/6/2014	13-55079	2014 WL 2535329	Technical Assistance Manual Common Problems	http://www.ada.gov/taman2.html http://www.ada.gov/comprob.pdf (unable to watermark)
Eclectic Properties East, LLC v. The Marcus & Millichap Company	5/7/2014	12-16526	751 F 3d 990	Cycles Recession	http://www.nber.org/cycles http://www.bls.gov/spotlight/2012/recession/ pdf/recession_bls_spotlight.pdf
<u>Greater Los</u> Anageles Agency on Deafness, Inc. v. CNN	2/5/2014	12-15807	742 F 3d 414	<u>CNN</u>	www.cnn.com
<u>Gutierrez v.</u> Commissioner of Social Security	1/23/2014	12-15472	740 F 3d 519	Metro OMB	http://www.census.gov/population/metro http://www.whitehouse.gov/sites/default/files /omb/bulletins/2013/b-13-01.pdf

#### **The Ninth Circuit's Electronic Archive**

#### http://cdn.ca9.uscourts.gov/datastore/library/2014/06/13/Chaudhry\_Profile.pdf



#### **The Ninth Circuit's Electronic Archive**

for	ITED STATES COURTS the NINTH CIRCUIT COURT OF APPEALS DISTRICT &						
Н	ome About the Court Attorneys News Media Employment						
Filing a Document - CM/ECF	January 1, 2016 / Announcements						
Viewing a Document - PACER	The United States Court of Appeals for the Ninth Circuit is taking further steps to ensure that information derived from the Internet ar cited in official court opinions remains available even if the original online resource ceases to exist or is altered.						
Opinions +	Virtually all Internet users have experienced the frustration of a bad web link. This often results from "link rot," which occurs over time						
Calendar +	as information is removed or moved to other online locations. Failure to obtain online information referenced in a court opinion,						
En Banc Cases	however, goes beyond inconvenience and can prove critical to judges and lawyers in considering other cases.						
FAQs, Forms and Instructions	Since 2008, court librarians in the Ninth Circuit have been tracking citations to online resources and preserving original documents and/or web pages as Adobe PDF files. Although stored on the court website, <u>http://www.ca9.uscourts.gov/library/webcites/</u> , the availability of these files is not readily apparent to legal researchers.						
Rules •							
Legal Guides	The process will change January 4, 2016, when PDF files of online resources cited in opinions are automatically added to the official case docket. The files will be immediately available to anyone accessing the docket through the court's case management/electronic						
Live Video Streaming	case filing system, or CM/ECF, and the federal judiciary's PACER system.						
of Oral Arguments	Since January 2008, circuit librarians have identified 643 Ninth Circuit opinions having citations to online resources. The yearly totals						
Archived Audio and Video	range from a high of 102 opinions in 2011 to 69 opinions in 2014 with an average of 80 opinions per year. The number of web links cited in an opinion ranges from one to as many as 30.						
RSS Feeds 🔊	Besides documents and web pages, court librarians also track citations to audio and video files hosted on Internet websites. However the court does not currently retain multimedia files due to storage constraints and other factors.						
Clerk's Office	The Judicial Conference of the United States, the judiciary's national governing body, has advised all federal courts to preserve onlin						
Mediation	resources cited in decisions. The Ninth Circuit is the third federal appellate court to add online resources to its case dockets. The						
Appellate Commissioner	courts of appeals for the Eleventh Circuit and District of Columbia Circuit also do so.						
Bankruptcy Appellate Panel	###						

#### **Supreme Court of Canada**

#### **Internet Sources Cited in SCC Judgments**

#### **Terms of Use**

The Office of the Registrar of the SCC, recognizing that web pages or websites that the Court cites in its judgments may subsequently vary in content or be discontinued, has located and archived the content of most online sources that had been cited by the Court between 1998 and 2016 in order to preserve access to them. These sources were captured with a content as close as possible to the original content. Links to the archived sources can be found here: Internet Sources Cited in SCC Judgments (1998 – 2016).

Since 2017 onward, online sources cited in the "Authors Cited" section in SCC judgments have been captured and archived. When a judgment cites such a source, an "archived version" link is provided.

All links to the archived web pages are provided for convenience only, and are subject to the following:

- In some cases the archived content of a web page or site may differ from the content that was available at the time judgment was rendered.
- The Office of the Registrar of the SCC does not control or warrant the accuracy or completeness of the information provided in the referenced materials.
- The referenced materials do not necessarily reflect the opinions or policies of the Court, nor do the links provided constitute an endorsement of those materials, their sources, or the views they express. Similarly, reference to a web page or site within a judgment does not signify the author's agreement with the judgment.
- The content of the archived web pages may be the subject of copyright. These pages are provided to enable legal researchers and private individuals studying SCC judgments to view the internet sources cited in the judgments. They are provided solely for use in compliance with the *Copyright Act*, R.S.C. 1985, c. C-42. Uses which do not fall within fair dealing and the other statutory exceptions to copyright infringement may require the permission of the copyright owner of the content.
- Copyright owners and authors with concerns about an archived web page may contact the MOM Office of the Registrar of the SCC.

#### **Supreme Court of the United States**

https://www.supremecourt.gov/opinions/cited\_urls/16

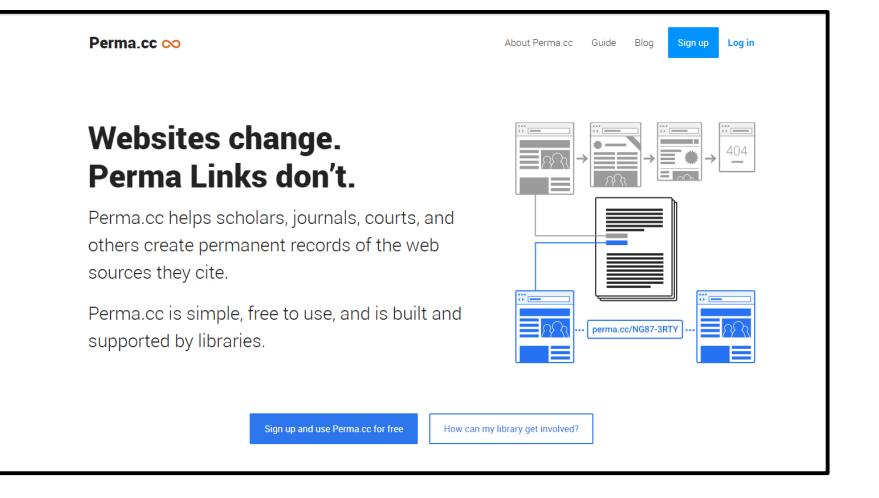
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Internet Sources Cited in Opinions Media Resources	Case	ase Case Name / Cited Material mber										
Case Citation Finder	16-5247											
	15-606	<ul> <li>Pena-Rodriguez v. Colorado</li> <li>http://defendermanuals.sog.unc.edu/race/8-addressing-race-trial</li> </ul>										

# **An External Electronic Archive**



- Easily accessible.
- Loss of control.
- Inability to archive some materials.

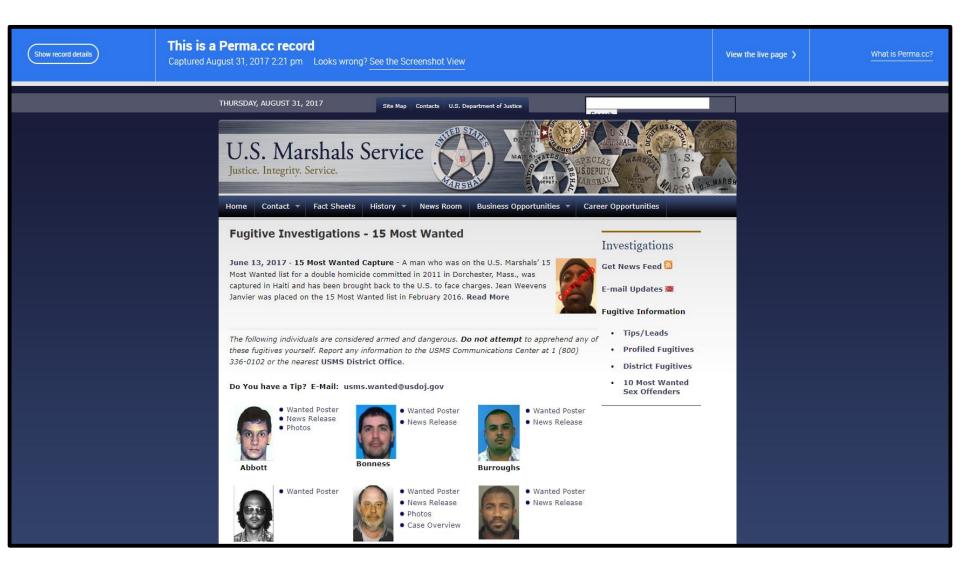
### Perma.cc



### Perma.cc

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# https://perma.cc/J4B3-WDDQ



# Why the Michigan Supreme Court Elected to Partner With Perma

- Ease of use.
- Cost (It's free!).
- Accessibility.
- Ability to create a Perma URL during the drafting stage, meaning that a permanent URL can be included in the opinion released to the public.

# **Michigan's Experience With Perma**

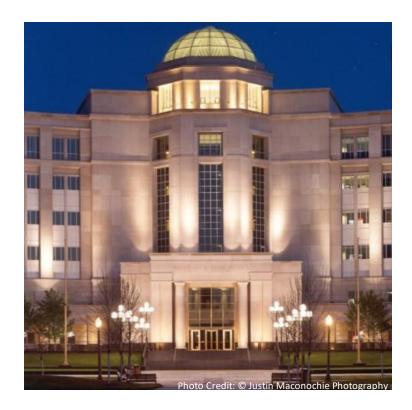
- Easy to use.
- Perma staff quick to answer questions and resolve issues.
- Relieved staff time used for internal archiving.
- Other state courts have followed suit. Perma is now used in Colorado, Maryland, and Massachusetts.

## **Citation Format**

The 20<sup>th</sup> edition of The Bluebook encourages archiving of Internet sources and appending the archived URL in brackets after the full citation.

- United States Marshals, Fugitive Investigations—15 Most Wanted <http://www.usmarshals.gov/investigations/most\_wanted> (accessed August 31, 2017) [http://perma.cc/ J4B3-WDDQ].
- National Gang Intelligence Center, 2011 National Gang Threat Assessment: Emerging Trends, p 15 (observing that "gang members are responsible for an average of 48 percent of violent crime in most jurisdictions"), available at <http://www.fbi.gov/statsservices/ publications/2011–national–gang–threat– assessment/2011–national–gangthreatassessment–emerging–trends> (accessed July 3, 2014) [http://perma.cc/P8WZ-Y88E].
- Grissinger, Multiple Brand Names for the Same Generic Drug Can Cause Confusion, 38 Pharm & Therapeutics 305 (2013), available at <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3737992/pdf/ptj3806305.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3737992/pdf/ptj3806305.pdf</a> (accessed June 2, 2014) [http://perma.cc/V5MG-DHLF].

# **Additional Questions?**



#### Feel free to contact me at loomisk@courts.mi.gov