



All Hands on Deck – Publishing the Congressional Record

Agenda

- History of recording the debates
- Work performed by the Official Reporters of the House and of the Senate
- Work performed by the Government Publishing Office
- Supplementary publications
 - Congressional Record Index
 - Bound permanent edition

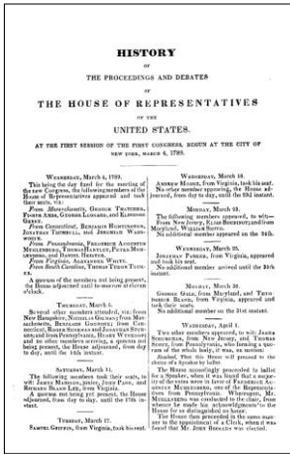
Where to find the early record of debate in Congress

Title	Congress	Date Range
Annals of Congress *reconstructed from newspapers and journals retrospectively	1 thru 18-1	1789 – 1824
Register of Debates *first to allow Congress to edit statements prior to publishing	18-2 thru 25-1	1824 – 1837
Congressional Globe *first reporters to use Pitman Shorthand method *first to publish debates as first-person narrative *first to attempt measure by measure coverage of proceedings *first daily editions required by law in 1865	23 thru 42	1833 – 1873

- Problems of early publications:
- Accuracy
 - Completeness
 - Bias
 - Shorthand writing invented 1840s
 - Expense

* The Library of Congress Web site "A Century of Lawmaking" has online versions of the these titles at: <http://memory.loc.gov/ammem/amlaw/>

Predecessors



March 4, 1789
Annals of Congress



March 4, 1826
Register of Debates

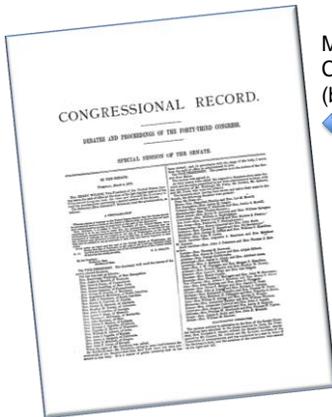


March 4, 1834
Congressional Globe

Source: "A Century of Lawmaking" Web site

Where to find the record of debate in Congress today

Title	Congress	Date Range
Congressional Record	43 to present	1873 - today



March 4, 1873
Congressional Record
(bound edition)



March 4, 2015
Congressional Record
(daily edition)



The Congressional Record is...

- “Substantially verbatim account” of the remarks made on the floor of the House and Senate.
- Congress and the American public needs an accurate, comprehensive, and unbiased account of floor activities.
- Note that Members of Congress can edit their statements

House floor

Source: <http://www.house.gov/>

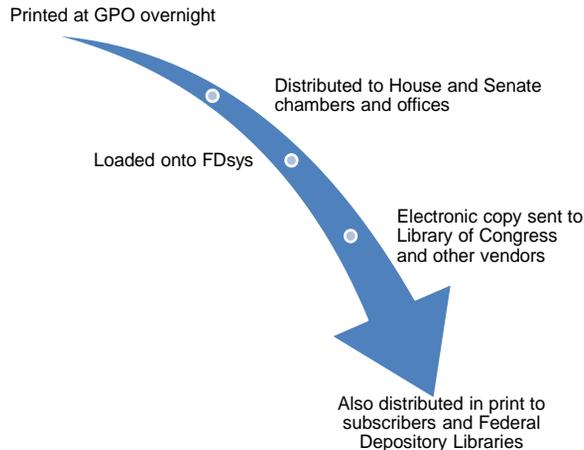


Senate floor

Source:
<https://www.senate.gov/artandhistory/history/common/image/AllWomenSenateFloor.htm>



Timeliness of the daily edition



Compiling the CR

- Text is compiled by House Official Reporters and Senate Official Reporters
 - Statements spoken on the floor
- Some content comes from other offices under the Clerk of the House and the Secretary of the Senate.
 - Amendments submitted
 - Reports of committees
 - Public Bills and Resolutions

House and Senate Official Reporters

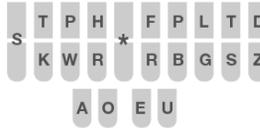
Phonetic shorthand systems

SHORTHAND ALPHABETS

Pitman	Gregg	Pitman	Gregg
— K	—	(TH	—
— G	—	/ CH	—
— M	—	/ J	—
— N	—) Z	—
— NG	—	z	—
— P	—	↘ SH	—
— B	—	↘ ZH	—
— T	—	↘ H	—
— D	—	↘ H	—
— S	—	↘ R	—
— S	—	↘ R	—
— F	—	↘ L	—
— V	—	↘ W	—
— TH	—	↘ Y	—

Source:
<http://www.britannica.com/EBchecked/topic/541788/shorthand#ref512828>

Sample Stenographic Machine keyboard



Source for above and to the right:
<http://www.bbc.co.uk/news/magazine-13035979>



A stenographer takes a note as Republican Congressman Eric Cantor speaks at a press conference in Washington

Example of a modern stenographic machine ↑

Official Reporters Transcribing



In the House, the Official Reporter sits in the "Well" of the floor

Sources:
http://houselive.gov/?view_id=2&clip_id=11018

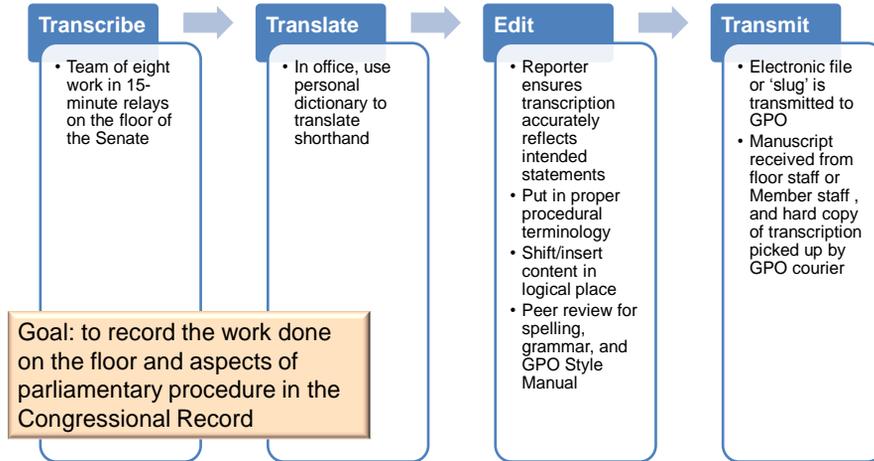
http://floor.senate.gov/?view_id=2&clip_ic=1406



In the Senate, the Official Reporter moves around the floor next to the speaker



Workflow of Official Reporter (Senate)



GPO Begins Work

- Files are transmitted electronically
 - ASCII text, XML, PDF, MS Word, Word Perfect, ...
 - Known as 'slugs' 
 - Hard copy manuscripts are picked up by GPO messengers
 - Paper, CD, floppy diskettes
- * Hard copy remains "king" or official version if there are discrepancies

Pre-Press Work

Markup

- Establishes pagination according to instructions from the Hill
- Marks up hard copy with typesetting codes

Proofreading

- Ensures text matches manuscript word for word
- Verifies that text conforms to Congressional Record style

Keyboard

- Ensures proofing and coding on text is transferred to electronic file
- Converts, codes, and outputs content received directly from other sources

Galley Output

E:\GALLERY\GILING.061

TEXT .061

SENATE - GILJMG

PERSONAL COMPUTER

J039060-GILING-061-*****

Payroll No. - Name:

Folios: - Date: 6/11/2014 - Subformat:

U.S. sued them to travel immediately because the United States Government was only seeing immigration (five pages) until the end of June 2014.

002

The report states that:

002

The issue of five pages was the main reason provided by its person, plus or minus, of the interview subject.

002

So while I understand there are a lot of factors involved, we cannot ignore the fact that those children are coming or are being forced here because of a belief on their part that they will never be deported.

We only say that it thinks to the Obama administration because this administration has refused to act on immigration enforcement. The President needs to send a signal right away. If the results to send this message from happening, that the laws will be enforced.

Instead of reviewing deportation policies and suggesting ways to remove fewer people, the President should talk Secretary Johnson with finding ways to actually enforce the laws we have on the books.

We must send a very strong signal that there is no benefit and no avenue for them to remain in the United States. We must do this. The children are not here to see situations in the future. Three before they cross the border into the United States, they are probably already in circumstances where would consider a dire situation.

STUDENT LOANS DEBT

Mr. GIBNEY. In fiscal year 2014, the U.S. Department of Education will make about \$11 billion in Federal direct loans to students. The Federal Government already holds more than \$1 trillion in student loan debt. So that makes the U.S. Department of Education one of the country's largest holders of debt. The Department of Education is the largest holder of debt in the United States is now second only to mortgage debt, and about 95 percent of all student loans happen to be issued by the Federal Government.

When elected officials say we have a student loan crisis because too many students owe more than they can afford to repay, we have to keep in mind

Page Output

September 18, 2014

elect & Zoom

CONGRESSIONAL RECORD—SENATE

57763

I would like to get them all passed. I realize one Republican—the Senator from Texas—is objecting to passing the bill. For all that, I don't want to pit one against the other.

I think I am going to make my point, I ask unanimous consent that the Senate proceed to the immediate consideration of H.R. 622, which was received from the House.

The PRESIDENT OFFICER. The clerk will report the bill by title.

The PRESIDENT OFFICER. The clerk will report the bill by title.

A bill (H.R. 622) as amended progress amendment under the Justice Smith Reauthorization Act of 2004, and for other purposes.

There being no objection, the Senate proceeded to consider the bill.

Mr. LEAHY. Madam President, I ask unanimous consent that the bill be read a third time and passed. The motion to reconsider be laid upon the table, and that any amendments related to the bill be printed in the Record.

The PRESIDENT OFFICER. In these objections?

Mr. MCCONNELL. Simply reserving the right to object, and obviously I am not going to object. I am very happy we could reauthorize this important piece of legislation. I have had an opportunity to get to know Debbie Smith pretty well, as Senator Conway and Senator LEAHY have. We have met on several occasions.

The bill passed the House of Representatives a few months ago on a voice vote. We need to clear it when it came over here. Unfortunately, there was an objection on the other side of the aisle. But I am glad we are where we are and that the bill will be reauthorized.

It is certainly fitting for Congress to pass this bill that is named for such a limited advocate for those who suffered this terrible shame.

The PRESIDENT OFFICER. The Senator from Texas.

Mr. CONYERS. Madam President, reserving the right to object, and I want to object. Let me use this occasion to say how much I appreciate his leadership and cooperation.

Obviously, Senator MCCONNELL, Senator LEAHY and I are all members of the Justice for All Act. I thank Senator LEAHY's desire—I am sure shared by the Republican leaders—that we pass this today. But since we can't do that, the possible, this is a good outcome—since her bill was first introduced in 2001. He is probably one of the few Senators who was here with me at that time when I first supported it. It is so improve access to rape kits, testing and services for survivors of sexual assault.

Senator CONYERS has been a strong supporter. I know he also supports the Justice for All Act as well. Something he is concerned, and the distinguished Republican leader has.

the national scandal, which the rape kit backlog is.

Avoid the frustration we all experience in the Senate from time to time, this is good news and this represents progress.

So I will agree with the unanimous consent request.

I yield the floor.

The PRESIDENT OFFICER. The Senator from Maryland.

Mr. MICULICKI. Reserving the right to object—and obviously I too was a member of all the women of the Senate. I thank Senator LEAHY for his consistent, persistent leadership on this issue and Senator CONYERS.

This is how the Senate ought to work on a bipartisan basis. Meeting a compelling need, and then being able to move it in an expeditious way. But for rape victims everywhere to know that we are dealing with this backlog and because good men stood up for women who have been wronged really is one of the defining moments of today.

I thank the Senators for it and withdrawing my objection.

The PRESIDENT OFFICER. Hearing no objection, the motion is agreed to.

The bill (H.R. 622) was ordered to a third reading, was read the third time, and passed.

Mr. LEAHY. Madam President, I will continue to work with the distinguished senior Senator from Texas on the Justice for All Act. Ninety-five Senators agree to pass it and only I am objecting. It requires a 60-vote vote when we come back in November. I hope we can have that critical vote passage in a timely rotation. And with 99 Senators who say they support it, that I Senator who has been blocking it know how important it is.

I suggest the absence of a quorum.

The PRESIDENT OFFICER. The clerk will call the roll.

The senatorial clerk proceeded to call the roll.

Mr. MICULICKI. Madam President, I ask unanimous consent that the order for quorum call be rescinded.

The PRESIDENT OFFICER. Without objection, it is so ordered.

Continuing Appropriations Resolution, 2014—Continued

Mr. MICULICKI. Madam President, how much time do we have remaining?

The PRESIDENT OFFICER. There is 30 minutes.

Mr. MICULICKI. In the spirit of recognizing the bill forward, I yield back all remaining time.

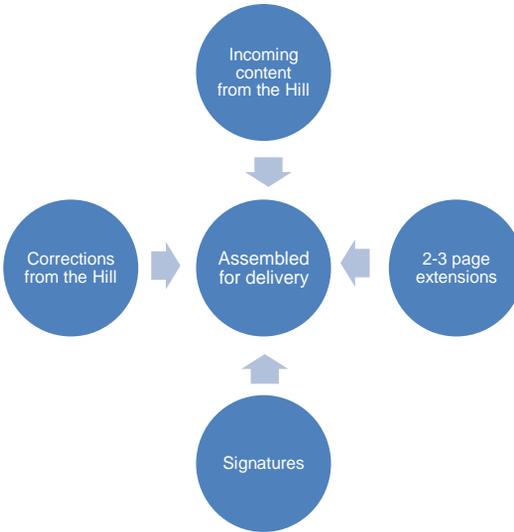
SENATORIAL NO. 382

The PRESIDENT OFFICER. Under the previous order, the question is on agreeing to the motion to table amendment No. 382.

The PRESIDENT OFFICER. There is 15 minutes and 30 seconds remaining. The clerk will call the roll.

The senatorial clerk proceeded to call the roll.

Assembling Content in the Correct Order



Work is measured in inches

Newspapers record column length



Average night's worth of hard copy



Condensed down to a daily issue



Above – January 13, 2015 issue

Daily Digest

Senate

Chamber Action

Routine Proceedings, pages S2681–2740

Measures Introduced: Five bills and two resolutions were introduced, as follows: S. 2291–2295, and S. Res. 438–439. [Page S2718](#)

Measures Reported:

S. 1611, to require certain agencies to conduct assessments of data centers and develop data center consolidation and optimization plans, with an amendment in the nature of a substitute. (S. Rept. No. 113–157) [Page S2718](#)

Measures Passed:

Condemning the Abduction of Female Students in Nigeria: Committee on Foreign Relations was discharged from further consideration of S. Res. 433, condemning the abduction of female students by armed militants from the Government Girls Secondary School in the northeastern province of Borno in the Federal Republic of Nigeria, and the resolution was then agreed to. [Pages S2699–S2700](#)

The Regulation of the Height of Buildings in the District of Columbia: Senate passed H.R. 4192, to amend the Act entitled “An Act to regulate the height of buildings in the District of Columbia” to clarify the rules of the District of Columbia regarding human occupancy of penthouses above the top story of the building upon which the penthouse is placed. [Page S2740](#)

National Charter Schools Week: Senate agreed to S. Res. 438, congratulating the students, parents, teachers, and administrators of charter schools across the United States for their ongoing contributions to education, and supporting the ideals and goals of the 15th annual National Charter Schools Week, to be held May 4 through May 10, 2014. [Page S2740](#)

National Safe Digging Month: Senate agreed to S. Res. 439, supporting the goals and ideals of National Safe Digging Month. [Page S2740](#)

to promote energy savings in residential buildings and industry. [Pages S2681–84, S2685–87, S2697–99, S2700–06, S2707–12](#)

During consideration of this measure today, Senate also took the following action:

By 79 yeas to 20 nays (Vote No. 131), three-fifths of those Senators duly chosen and sworn, having voted in the affirmative, Senate agreed to the motion to close further debate on the motion to proceed to consideration of the bill. [Pages S2690–91](#)

A unanimous-consent agreement was reached providing for further consideration of the motion to proceed to consideration of the bill, post-cloture, at approximately 9:30 a.m., on Wednesday, May 7, 2014; and that the time during adjournment count post-cloture. [Page S2740](#)

Talwani Nomination—Cloture: Senate began consideration of the nomination of Indira Talwani, of Massachusetts, to be United States District Judge for the District of Massachusetts. [Page S2684](#)

A motion was entered to close further debate on the nomination, and, in accordance with the provisions of Rule XXII of the Standing Rules of the Senate, a vote on cloture will occur on Thursday, May 8, 2014. [Page S2684](#)

Peterson Nomination—Cloture: Senate began consideration of the nomination of James D. Peterson, of Wisconsin, to be United States District Judge for the Western District of Wisconsin. [Page S2684](#)

A motion was entered to close further debate on the nomination, and, in accordance with the provisions of Rule XXII of the Standing Rules of the Senate, a vote on cloture will occur upon disposition of the nomination of Indira Talwani, of Massachusetts, to be United States District Judge for the District of Massachusetts. [Pages S2684–85](#)

Rosenstengel Nomination—Cloture: Senate began consideration of the nomination of Nancy J. Rosenstengel, of Illinois, to be United States District Judge for the Southern District of Illinois.

Content that must be included

- Submitted amendment text (Senate)
- Constitutional Authority Statements (House)
- Conference Reports – a matter of public record
 - If the size of the report or schedule constraints prevent the report from being included in that day’s Congressional Record, GPO will scan a hard copy of it and post it online on FDsys

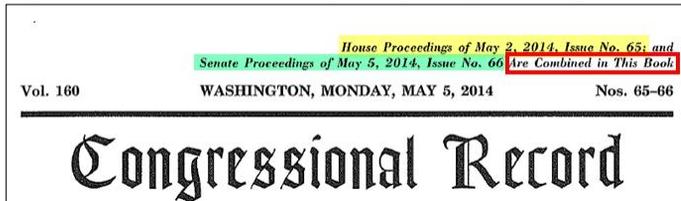
Too little content

Can happen because a chamber has:

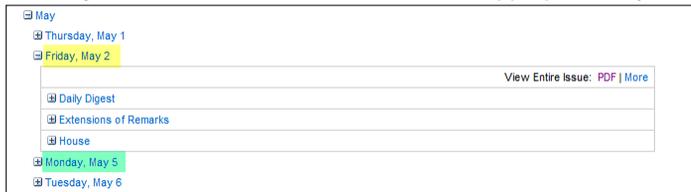
- Adjourned
- Recessed
- Held a pro forma session
 - Chamber cannot adjourn for more than 3 days without other chamber’s consent (Constitution)
 - Prevent presidential pocket veto
 - Prevent recess appointment

Combining Multiple Days of Content

In print – content from multiple days may be merged into one issue



On FDsys – the same content is divided onto appropriate days



Press Work

Plate Room (technically 'pre-press')

- Imposes files
- Creates plates for press

Press Room

- Prints the signatures

Bindery

- Keeps track of signatures
- Cuts, folds, & glues or 'binds' issues

Delivery

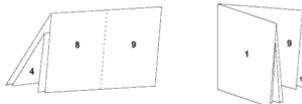
- Delivers the issues to the Hill

Imposing the Pages

Pages are imposed in layout



So after printing, the paper can be folded and cut in the proper page order



Source:
http://www.des.wa.gov/SiteCollectionDocuments/PrintingMail/Printing/16_page_rangle.gif

Plate Room

Plate room's laser plate setter Plate processor 'bath'



A laser will flash text on the chemical coated aluminum plate in the chamber - burning the chemical on the plate.



Chemical that is not heat-set is washed away in a bath. The final plate is coming out of the bath.

Above: Mike Duley and Jeffrey Apple - Offset Platemaker Strippers

Print Plates Ready for the Web Press



Printing plates

Press Room – Hantscho Web Press

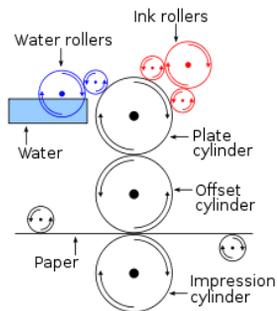
Web Press – control panel



Web Press = 'web of paper'



Typical Offset Press Diagram



Source: http://en.wikipedia.org/wiki/Offset_printing#cite_note-kipphan130-144-9

Running Through the Web Press

Ink is added to the printing plate that is wrapped around a Plate Cylinder in the web press



Ink is rolled onto an offset cylinder or blanket – which is transferring the ink to the paper



Final Web Press Steps

Paper must be folded and cut



Signature rolling off the web press



Staging the Signatures

Compressing the signatures for staging



Putting signatures on a pallet



Above: Calvin Trice – PPW (Web Press)

Paper

Paper rolls weigh 1,693 lbs.



Rolls get dropped down this chute



Above:
Alan Scott – Web Offset Pressperson (left) &
Leon Wilkins - Second Web Pressman (right)

Moving Paper Rolls →

"CAUTION"
KEEP OUT OF
ROLL DROP AREA

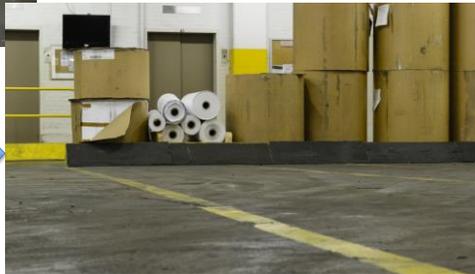


'Bowling' lanes



Close up of hydraulic dampeners

Bumpers stop the rolls
at the end of the lane



Moving Paper Rolls

Clamp truck - used to
move paper rolls



Paper elevators



Ink Totes and Drums

Large totes hold 2,758 pounds of soy based ink

Small barrels are 55 gallon drums



End of The Process – Bindery Unit



Signatures awaiting assembly are 'staged' to keep them in order

Adhesive Binding Machine

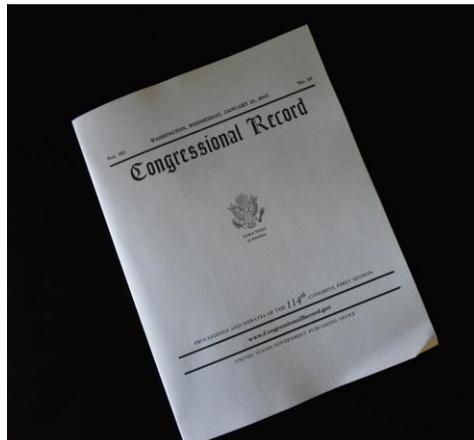
Signatures are put in order - one per track. On the back side, rollers grab one signature from each track – compiling the signatures into an issue.



Individual issues containing compiled signatures move down a conveyor belt to have their spines cut and glued.



Final Product



Delivering to the Hill

One of GPO's trucks



GPO is just north of the Capitol



The daily run is a part of our fiber...



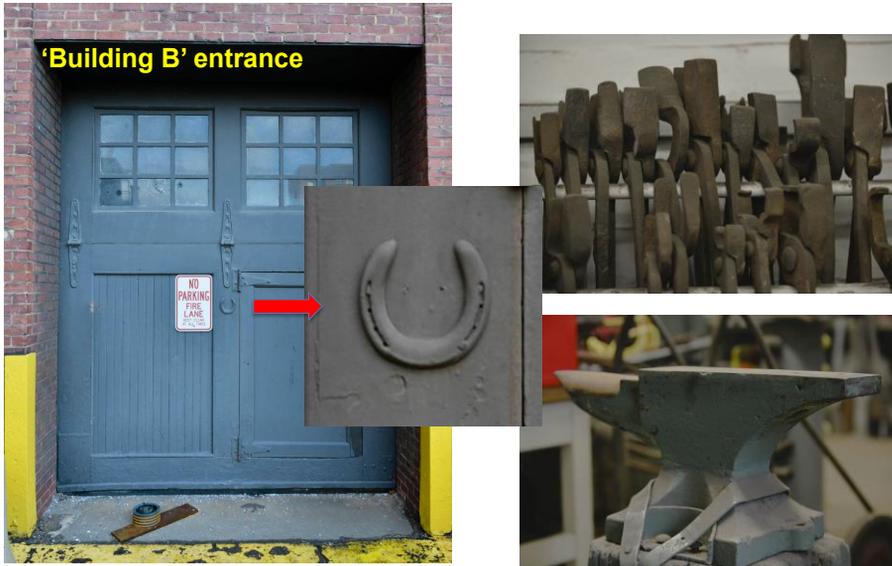
GPO horse stables – wagons on the right were used to haul the Congressional Record. c. 1890



GPO Baker Electric Cars at the U.S. Capitol. c. 1911



Over 140 Years Later...



Loading onto FDsys

Package files created by Text Edit Processing section:

- Microcomp locator file → ASCII text format
- Postscript file → PDF format



File being submitted on FDsys

What is FDsys Metadata?

- Information that describes the content within FDsys.
 - Describes how, when, and by whom content was collected, what the content is, where it resides, and how it is formatted.
- Information about the publication, including things like the title, personal names, committee names, the date, and more.

FDsys Metadata

Two types of metadata:

- MODS: Metadata Object Description Schema (Library of Congress)
- PREMIS: Preservation Metadata Implementation Strategies

Example of MODS Metadata

```

- <mods xmlns="http://www.loc.gov/mods/v3" xmlns:exslt="http://exslt.org/common" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xlink="http://www.w3.org/1999/xlink" xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/mods/v3" ID="P0b002ee189d84957">
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  </role>

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collection.CREC

United States of America

PROCEEDINGS AND DEBATES OF THE 111th CONGRESS

Vol. 136 WASHINGTON, WEDNESDAY, JANUARY 27, 2010

Senate

January 27, 2010 CONGRESSIONAL RECORD — HOUSE

Mr. GRIFFITH Madam Speaker, on roll call No. 27 I was unwisely departed. Had I been present, I would have voted "yes."

CASTLE NUGENT NATIONAL HISTORIC SITE ESTABLISHMENT ACT OF 2010

The SPEAKER pro tempore. The unfinished business is the vote on passage of H.R. 5726, on which the yeas and nays were ordered.

The Clerk read the title of the bill.

The SPEAKER pro tempore. The question is on the passage of the bill.

This is a 5-minute vote.

The vote was taken by electronic device, and there were—yeas 380, nays 170, not voting 18, as follows:

yescount #	yeas	no	not voting #	members name
1	Albio			Albio
2	Amodeo			Amodeo
3	Amodeo			Amodeo
4	Amodeo			Amodeo
5	Amodeo			Amodeo
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9	Amodeo			Amodeo
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96	Amodeo			Amodeo
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98	Amodeo			Amodeo
99	Amodeo			Amodeo
100	Amodeo			Amodeo

ADDITIONAL TEMPORARY EXTENSION OF SMALL BUSINESS PROVISIONS

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This is a 5-minute vote.

The vote was taken by electronic device, and there were—yeas 418, nays 4, not voting 38, as follows:

yescount #	yeas	no	not voting #	members name
1	Amodeo			Amodeo
2	Amodeo			Amodeo
3	Amodeo			Amodeo
4	Amodeo			Amodeo
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13	Amodeo			Amodeo
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Examples of metadata highlighted

members name



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7 pm	GPO typically receives files/manuscripts from H/S
6, 8, 11:30 pm	2 nd shift GPO staff (staggered start times) begin preparing the manuscript and galley run
11:30 pm	3 rd shift GPO staff arrive to work on completing the galleys and page proofs
12 am	GPO typically receives final content from Congress
3 am	Crunch time. Except for mandatory content, new content received from the House and the Senate may be sent to next day's CR. GPO staff must decide what content will get moved to the next day's CR
5 am – 6 am	Signatures (okayed pages) are sent to Plate Room
6 am	Online version is loaded onto FDsys
6 – 7:30 am	Press room begins to prints pages/signatures
7 am	Final signatures sent to Plate Room
8 am	Bindery typically begins binding the book as soon as final signatures are received from the press
9 am	Print is received at House and Senate chambers and offices

How to tell if Congress is working late



Image source: <http://www.aoc.gov/blog/capitol-illumination>

What are GPO staff looking for?

Not in night session:



In night session



Sources:

<http://www.house.gov/content/educate/internships.php>

http://www.senate.gov/visiting/common/image/Dome_at_night.htm

Congressional Record Index

- Is a separate index – it is not in the back of the Congressional Record
- Only indexes the current year; each year is cumulated at the end
- Contains two sections

In Print Format (updated biweekly)	In FDsys Collections (updated daily)	Contents
A to Z Index	Congressional Record Index	Indexes individuals, organization, and topics
History of Bills	History of Bills	List of bills and actions on them

Examples of the Congressional Record Index (FDsys)

And the History of Bills (FDsys)

Note the daily Congressional Record citation information

MIKULSKI, BARBARA A. (a Senator from Maryland)

Amendments

Conservation of energy: promote energy savings in residential buildings and industry (S. 2262), **S2876 [8MY]**

Dept. of Defense: authorizing appropriations for military activities, prescribing personnel strengths, and military construction (S. 2410), **S5001 [28JY]**

Dept. of Energy: making continuing appropriations for the National Nuclear Security Administration (H.J. Res. 76), S5327 [1AU]

Dept. of HHS: reauthorize and improve the Child Care and Development Block Grant Program (S. 1086), S1525 [11MR], S1555, S1559 [12MR]

Employment: reform and strengthen the workforce investment system (H.R. 803), S4006 [25JUN]

Patient Protection and Affordable Care Act: allow employees to exempt employees with health coverage from employer health insurance mandate (H.R. 33138) [15MY]

Science, Depts. of Justice and Commerce: making appropriations (H.R. 4660), S33138 [15MY]

Articles and editorials

Time To End the Gridlock That Takes Us Off the Highways, by, Baltimore (MD) Sun, S5001 [28JY]

Women You Don't Know--Yet, H2426 [13MR]

Bills and resolutions cosponsored

American Discovery Trail: designate (S. 2262), S2876 [8MY]

American Fighter Aces: award Congressional Gold Medal (S. 2410), S5001 [28JY]

Armed Forces: award Congressional Gold Medal to the 1st Infantry Regiment known as the Borinquen (S. 2410), S5001 [28JY]

Baker, Howard H., Jr.: tribute (see S. 2410), S5001 [28JY]

Biomedical Research Fund: establish (S. 2410), S5001 [28JY]

Boys Town (organization): mint coins in commemoration of 100th anniversary (see S. 1011), S3604 [11MR]

Climate: express that global climate change will continue to pose ongoing risks (H.R. 524), S4997 [28JY]

H.R. 4994--A bill to amend title XVIII of the Social Security Act to provide for standardized post-acute care assessment data for quality, payment, and discharge planning, and for other purposes; to the Committee on Ways and Means, and in addition to the Committee on Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned.

By Mr. CAMP (for himself, Mr. Levin, Mr. Brady of Texas, Mr. McDermott, Mr. Blumenauer, Mr. Kind, Mr. Tiberi, and Mrs. Black), H5817 [26JUN]

Cosponsors added, **H6108 [10JY]**

Debated, H7605 [16SE]

Text, H7605 [16SE]

Rules suspended. Passed House amended, H7612 [16SE]

Message from the House, S5695 [17SE], S5905 [12NO]

Passed Senate, S5862 [18SE]

Message from the Senate, H7895 [19SE]

Examined and signed in the Senate, S5905 [12NO]

Examined and signed in the House, H7927 [12NO]

Presented to the President (September 26, 2014), H7928 [12NO]

Approved [Public Law 113-185] (signed October 6, 2014)

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- H1234
- S1234
- E1234
- D1234

To the Bound edition:

- 12,345

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