

Downloading Electronic Articles from the Library

Paper over Reports Article:

Bray, P. Sargent & Ken B. Anderson. "Identification of Carboniferous (320 Million Years Old) Class Ic Amber." 2009. *Science* 326: 132-134.

Also please read the *Perspectives* article, which describes both this paper and related work in this field--good background information! [Grimaldi, David. "Pushing Back Amber Production." 2009 *Science* 326: 51-52.]

You may use your textbook or other texts or on-line sources as reference material as you see fit. Just provide a list of **references (minimum 3)** at the end of your paper. (You already have 2.)

*******Copies are available electronically through the MS&T Curtis Laws Wilson Library*******
You may download FREE personal copies from here as PDFs.

How to Download:

*****If you are logging in from "off-campus" you MUST login to the VPN first.**
<http://helpdesk.mst.edu/generalinfo/vpnindex.html>

1. Go to the Library Website and choose "Merlin Library Catalog".

The screenshot shows the Missouri University of Science and Technology Curtis Laws Wilson Library website. The browser window title is "Missouri University of Science and Technology, Curtis Laws Wilson Library - Windows Internet Explorer". The address bar shows "http://library.mst.edu/index.html". The page header includes "MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY" and "A-Z Index | People | Apply | Map | Giving | Search". The main navigation bar lists "Missouri S&T Home | Prospective Students | Current Students | Alumni & Friends | Community | Faculty & Staff". The central banner reads "Curtis Laws Wilson Library".

On the left side, there is a vertical menu with the following items: "Library Home", "Quick Library Links", "MERLIN Library Catalog" (marked with a red asterisk), "Databases & E-Resources", "Database Metasearch", "A-Z Electronic Journals", "Interlibrary Loan (Illiad)", "Course Reserves", "Scholars' Mine", and "FAQ". At the bottom of this menu is a "Live chat 8 AM-5 PM" button.

The main content area features a "Keyword search in Missouri S&T Catalog" with a search input field and a "Search" button. Below the search bar are two columns of links: "Research Tools" (including MERLIN Library Catalog, MOBIUS Library Catalog, Databases & E-Resources, Research Guides by Subject, Government Documents, DVD and VHS Video Search, and Electronic Reference Desk) and "Library Services" (including Borrowing and Circulation, Course Reserves, Interlibrary Loan, Tutorials and Library Instruction, Distance Education, Information for Faculty, and Poster Printing and Multimedia).

On the right side, there is a "Library News" section with several news items: "ScienceDirect, Scopus unavailable Saturday, September 19" (published on September 17, 2009), "The library will retain archival access to Inspec 1898-1968" (published on August 31, 2009), "2008 Journal Citation Reports now available" (published on August 31, 2009), "Scopus, ScienceDirect journals unavailable Saturday, August 29" (published on August 27, 2009), and "Metalib, SFX service down Friday night" (published on August 25, 2009). A "Library News Archive" link is also present.

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft..., Missouri Univers..., Abstract_FS09, Synopsis_chem2_0..., Document2 - Micro...), and the system tray with the time 5:17 PM.

2. In Merlin, select “Jrnl, Mag, Newspaper” and type in Science then click on Search.

Missouri S&T Library Catalog - Windows Internet Explorer
http://laurel.iso.missouri.edu/search~S5/

merlin
MOBIUS > All MERLIN > Missouri S&T Library Catalog
Missouri S&T | Missouri S&T Library

Library Catalog Course Reserves My Library Account Other Catalogs Help

Keyword [] Missouri S&T [] Search

Keyword
Title
Author
Subject (LC)
Medical Subjects (MESH)
Journal, Magazine, Newspaper Title
LC Call Number
NLM Call Number
Dewey Call Number
Other Call Number
Gov Doc Number
ISN, Standard Number
OCLC Number

Advanced Search
sort and limit your search, e.g., word and location, author and year

Title
books, journals, audiovisuals...

Journal Title
journals, magazines, newspapers...

Subject
Library of Congress Headings and MeSH

Numbers
call numbers, ISSNs, OCLC numbers...

Missouri S&T New Books

MERLIN · Missouri Education and Research Libraries Information Network
a MOBIUS Library Catalog

University of Missouri:
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[State Historical Society & Western Historical Manuscript Collection](#)

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3. Choose “Science” twice. In the middle of the page there is a link to the ejournal:

Missouri S&T Library Catalog - Windows Internet Explorer
http://laurel.iso.missouri.edu/search~S5/

merlin
MOBIUS > All MERLIN > Missouri S&T Library Catalog
Missouri S&T | Missouri S&T Library

Library Catalog Course Reserves My Library Account Other Catalogs Help

Journal, Magazine, Newspaper Title [] science [] Missouri S&T [] Search

Advanced Search
sort and limit your search, e.g., word and location, author and year

Author
person, organization, composer...

Title
books, journals, audiovisuals...

Journal Title
journals, magazines, newspapers...

Author & Title
combined search

Subject
Library of Congress Headings and MeSH

Numbers
call numbers, ISSNs, OCLC numbers...

Missouri S&T New Books

MERLIN · Missouri Education and Research Libraries Information Network
a MOBIUS Library Catalog

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MERLIN Library Catalog /MST - Windows Internet Explorer

http://laurel.iso.missouri.edu/search~55/Y?searchtype=s&searcharg=science&SORT=D&searchscope=s&Submit=Search

MOBIUS > All MERLIN > Missouri S&T Library Catalog

Missouri S&T | Missouri S&T Library

Start Over Extended Display Limit/Sort Search Another Search

Search MOBIUS (Search History)

Jrnl, Mag, Newspaper science Missouri S&T Search

Result page: 1 2 Next

Save Marked Records Save All On Page

Number	Save	Jrnl, Mag, Newspapers (1-50 of 62)	Year	Entries Found
1	<input type="checkbox"/>	Science		4
2	<input type="checkbox"/>	Science Abstracts	1902	1
3	<input type="checkbox"/>	Science Abstracts Electrical And Electronics Abstracts	c1966	1
4	<input type="checkbox"/>	Science Abstracts Physics Abstracts	c1966	1
5	<input type="checkbox"/>	Science Abstracts Section A Physics	1940	1
6	<input type="checkbox"/>	Science Abstracts Section A Physics Abstracts	c1965	1
7	<input type="checkbox"/>	Science Abstracts Section B Electrical Engineering	1940	1
8	<input type="checkbox"/>	Science Abstracts Section B Electrical Engineering Abstracts	1965	1
9	<input type="checkbox"/>	Science Abstracts Series A Physics Abstracts	c1967-	1
10	<input type="checkbox"/>	Science Abstracts Series B Electrical And Electronics Abstracts	1967-	1
11	<input type="checkbox"/>	Science And Education		1
12	<input type="checkbox"/>	Science And Education Online		1

Start | Inboxes - Microsoft Outlook | MERLIN Library Catal... | Abstract_F509 | Document2 - Microsoft ... | 5:26 PM

MERLIN Library Catalog /MST - Windows Internet Explorer

http://laurel.iso.missouri.edu/search~55?sscience/sscience/1%2C62%2C72%2CB/exact&FF=sscience&1%2C4%2C

MOBIUS > All MERLIN > Missouri S&T Library Catalog

Missouri S&T | Missouri S&T Library

Start Over Return to List Limit/Sort Search Another Search

Search MOBIUS (Search History)

Jrnl, Mag, Newspaper science Missouri S&T Search

Save Marked Records Save All On Page

Jrnl, Mag, Newspapers (1-4 of 4)				
1	<input type="checkbox"/>	Science.	1882	PERIODICAL
2	<input type="checkbox"/>	Science.		PERIODICAL
3	<input type="checkbox"/>	Science.	1883-	PERIODICAL
4	<input type="checkbox"/>	Science.	1883-	PERIODICAL

Save Marked Records Save All On Page

Start Over Return to List Limit/Sort Search Another Search

Contains commands for working with the selected items.

Start | Inboxes - Microsoft Outlook | MERLIN Library Catal... | Abstract_F509 | Document2 - Microsoft ... | 5:27 PM

4. Link to web version. In the middle of the page, choose the link: v. 275(1997)

The screenshot shows the MERLIN Library Catalog interface in Internet Explorer. The search results for 'science' in the 'Missouri S&T' database are displayed. The record is identified as 'Record 3 of 4'. The record details include:

- Uniform title:** Science (Weekly)
- Title:** Science.
- Published:** Cambridge, Mass. : Moses King [1883-
- Continues:** Science 0036-8075
- Absorbed:** Scientific monthly Jan. 1958 0096-3771

A 'Link to web version:' section is highlighted with a red asterisk, containing the text: 'MST has: v.275(1997)-' and a link to 'Connect to http://www.istor.org/journals/00368075.html'. Below this is a table with columns 'LOCATION', 'CALL #', and 'STATUS', showing 'MST ONLINE' and 'REMOTE ACCESS'. A 'Description' section provides details: 'v. : ill. ; 26-32 cm. Weekly (except last week in Dec.)'. A 'Pub history' section notes: '[Vol. 1] no. 1 (Feb. 9, 1883)-v. 23, no. 581 (Mar. 23, 1894) n.s., v. 1, no. 1 (Jan. 4, 1895)-'. A 'Summary' section states: 'Since Jan. 1901 the official proceedings and most of the papers of the American Association for the Advancement of Science have been included in Science.' A 'Note' section mentions: 'Title from caption. Pub.: Lancaster, Pa. : Science Press, -1944; Lancaster, Pa. : American Association for the Advancement of Science, 1945- ;'.

5. Scroll down to browse by year:

The screenshot shows the Science Magazine website. The 'Previous Issues' section is active, displaying the following information:

- Previous Issues of Science:** Previous issues of Science are available in two archives:
- Science, January 1997 to present** – abstracts/summaries, full-text HTML, and full-text PDF.
- Science Classic, July 1880 to December 1996** – full-text PDF access to all issues of Science before December 1996 (separate institutional subscription may apply).

The 'SCIENCE, JANUARY 1997 TO PRESENT' section includes the text: 'How to access: The full text of Science issues since January 1997 is available online to AAAS members, to users at subscribing institutions, and on a pay-per-article basis. After one year, the full text of the research content in this part of the collection is available online without cost for individuals who register for access.' Below this, there is a 'Most Recent Issues' section with a row of journal covers, including the '8 January 2010 Cover'.

6. Choose 2009- Volumes 323-326, Issues 5910-5960.

Science/AAAS | Science Magazine: Previous Issues - Windows Internet Explorer

http://www.sciencemag.org/archive/

Search HighWire Journals

Alerts & Feeds

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Most Recent Issues

Issue	Volume	Pages	Table of Contents	Subject Index	Author Index
29 January 2010	Vol. 327 (#5965)	Pages 493-608	Table of Contents	Subject Index	Author Index
22 January 2010	Vol. 327 (#5964)	Pages 381-492	Table of Contents	Subject Index	Author Index
15 January 2010	"Innate Immunity" Vol. 327 (#5963)	Pages 237-380	Table of Contents	Subject Index	Author Index
8 January 2010	Vol. 327 (#5962)	Pages 113-236	Table of Contents	Subject Index	Author Index

Browse by Year

- 2010 - Volume 327, Issues 5961 - 5965
- 2009 - Volumes 323 - 326, Issues 5910 - 5960 *
- 2008 - Volumes 319 - 322, Issues 5859 - 5909
- 2007 - Volumes 315 - 318, Issues 5808 - 5858
- 2006 - Volumes 311 - 314, Issues 5757 - 5807
- 2005 - Volumes 307 - 310, Issues 5706 - 5756
- 2004 - Volumes 303 - 306, Issues 5654 - 5705
- 2003 - Volumes 299 - 302, Issues 5603 - 5653

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7. Then choose Vol. 326: 2 Oct. 2009 – 18 Dec. 2009.

Science/AAAS | Science Magazine: Previous Issues: 2009 - Windows Internet Explorer

http://www.sciencemag.org/archive/2009.dtl

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Science AAAS.ORG | FEEDBACK | HELP | LIBRARIANS

Science Magazine Enter Search Term SEARCH ADVANCED

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Advanced >

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Previous Issues: 2009

The full text of Science issues since January 1997 is available online to AAAS members, to users at subscribing institutions, and on a pay-per-article basis. After one year, the full text of the research content in this part of the collection is available online without cost for individuals who [register for access](#).

- Vol. 326: 2 Oct 2009 - 18 Dec 2009 *
- Vol. 325: 3 Jul 2009 - 25 Sep 2009
- Vol. 324: 3 Apr 2009 - 26 Jun 2009
- Vol. 323: 2 Jan 2009 - 27 Mar 2009

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8. Select the 2 October 2009 edition.

Science/AAAS | Science Magazine: Previous Issues: 2009 - Windows Internet Explorer

http://www.sciencemag.org/archive/2009.dtl#326

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Science/AAAS | Science Magazine: Previous Issues: 2...

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VOL. 326: 2 OCT 2009 - 18 DEC 2009

 2 October 2009 "Ardipithecus ramidus" Vol. 326 (#5949) Pages 1-188 Table of Contents Subject Index Author Index	 9 October 2009 Vol. 326 (#5950) Pages 189-324 Table of Contents Subject Index Author Index	 16 October 2009 "Neuroscience Methods" Vol. 326 (#5951) Pages 325-488 Table of Contents Subject Index Author Index	 23 October 2009 Vol. 326 (#5952) Pages 489-626 Table of Contents Subject Index Author Index
 30 October 2009 Vol. 326 (#5953) Pages 639-737 Table of Contents Subject Index Author Index	 6 November 2009 Vol. 326 (#5954) Pages 757-904 Table of Contents Subject Index Author Index	 13 November 2009 Vol. 326 (#5955) Pages 905-1028 Table of Contents Subject Index Author Index	 20 November 2009 Vol. 326 (#5956) Pages 1029-1148 Table of Contents Subject Index Author Index

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9. Scroll down until you find the articles. The main article is under "Reports".

Science/AAAS | Table of Contents: 2 October 2009; 326 (5949) - Windows Internet Explorer

http://www.sciencemag.org/content/vol326/issue5949/index.dtl

Google

Science/AAAS | Table of Contents: 2 October 2009; 3...

Lei Yang, Shizhong Wang, Kevin Blinn, Mingfei Liu, Ze Liu, Zhe Cheng, and Meilin Liu
Science 2 October 2009: 126-129.
A barium zirconate-cerate doped with yttrium and ytterbium can transport both protons and oxygen ions at high temperatures.
[Abstract](#) » [Full Text](#) » [PDF](#) » [Supporting Online Material](#) »

Rapid Resurgence of Marine Productivity After the Cretaceous-Paleogene Mass Extinction
Julio Sepúlveda, Jens E. Wendler, Roger E. Summons, and Kai-Uwe Hinrichs
Science 2 October 2009: 129-132.
Preserved lipids imply that primary production recovered perhaps within 50 years of the end-Cretaceous extinction.
[Abstract](#) » [Full Text](#) » [PDF](#) » [Supporting Online Material](#) »

Identification of Carboniferous (320 Million Years Old) Class Ic Amber *
P. Sargent Bray and Ken B. Anderson
Science 2 October 2009: 132-134.
Carboniferous amber has a chemistry similar to that of amber from angiosperms that evolved about 150 million years later.
[Abstract](#) » [Full Text](#) » [PDF](#) » [Supporting Online Material](#) »

Immune Activation by Life-Shortening *Wolbachia* and Reduced Filarial Competence in Mosquitoes
Zakaria Kambris, Peter E. Cook, Hoang K. Phuc, and Steven P. Sinkins
Science 2 October 2009: 134-136.
A bacterial infection in mosquitoes impairs their capacity to transmit human pathogens.
[Abstract](#) » [Full Text](#) » [PDF](#) » [Supporting Online Material](#) »

Genetic Discontinuity Between Local Hunter-Gatherers and Central Europe's First Farmers
B. Bramanti, M. G. Thomas, W. Haak, M. Unterlaender, P. Jores, K. Tambets, I. Antanaitis-Jacobs, M. N. Haidle, R. Jankauskas, C.-J. Kind, F. Lueh, T. Terberger, J. Hiller, S. Matsumura, P. Forster, and J. Burger
Science 2 October 2009: 137-140.
Published online 3 September 2009 [DOI: 10.1126/science.1176869] (in Science Express Reports)
Skeletal DNA shows the relationship between Ice Age hunter-gatherers, the first farmers, and modern Europeans.
[Abstract](#) » [Full Text](#) » [PDF](#) » [Supporting Online Material](#) »

10. Click on the PDF button and it will download the article, then you can save or print it.

http://www.sciencemag.org/cgi/reprint/326/5949/132.pdf - Windows Internet Explorer

http://www.sciencemag.org/cgi/reprint/326/5949/132.pdf

Science
AAAS

Identification of Carboniferous (320 Million Years Old) Class Ic Amber
P. Sargent Bray, *et al.*
Science 326, 132 (2009);
DOI: 10.1126/science.1177539

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The following resources related to this article are available online at www.sciencemag.org (this information is current as of February 1, 2010):

Updated information and services, including high-resolution figures, can be found in the online version of this article at:
<http://www.sciencemag.org/cgi/content/full/326/5949/132>

Supporting Online Material can be found at:
<http://www.sciencemag.org/cgi/content/full/326/5949/132/DC1>

A list of selected additional articles on the Science Web sites related to this article can be found at:
http://www.sciencemag.org/cgi/content/full/326/5949/132#related_content

February 1, 2010

11. The supplementary article is in the “Perspectives” section.

Science/AAAS | Table of Contents: 2 October 2009; 326 (5949) - Windows Internet Explorer

http://www.sciencemag.org/content/vol326/issue5949/index.dtl

Summary » Full Text » PDF »

Perspectives

PALEONTOLOGY
Pushing Back Amber Production *
David Grimaldi
Science 2 October 2009: 51-52.
Amber from 320 million years ago is surprisingly similar to that formed much later by resins from flowering plants.
Summary » Full Text » PDF »

MATERIALS SCIENCE
Poison-Tolerant Fuel Cells
J. R. Selman
Science 2 October 2009: 52-53.
Alternatives to nickel-based electrocatalysts are being pursued to circumvent the problems contributing to the performance degradation of high-temperature fuel cells.
Summary » Full Text » PDF »

PHILOSOPHY OF SCIENCE
The Coordinates of Truth
Gary J. Nabel
Science 2 October 2009: 53-54.
What drives scientific discovery, and how can we make it happen more effectively?
Summary » Full Text » PDF »

CELL SIGNALING
Aging Is RISKy Business
Matt Kaerberlein and Pankaj Kapahi
Science 2 October 2009: 55-56.
Progress in defining a signaling pathway that controls mammalian life span raises the possibility of discovering treatments for

12. Click on the PDF button, and then you can **save it or print it**.

The screenshot shows a Windows Internet Explorer browser window displaying a PDF document from ScienceMag.org. The address bar shows the URL: <http://www.sciencemag.org/cgi/reprint/326/5949/51.pdf>. The browser's search bar contains the word "Google". The document's title is "Pushing Back Amber Production" by David Grimaldi, categorized under "PALEONTOLOGY" and "PERSPECTIVES". The article text begins with "Amber, the fossilized remains of tree resin, was precious and warm to Neolithic peoples, who gathered it from the cold shores of the Baltic Sea at least 13,000 years ago." The browser's taskbar at the bottom shows several open applications, including Outlook Today, a document named "100129_grade_ros...", "Synopsis_chem2_1...", and "Downloading_Amb...". The system clock in the bottom right corner indicates the time is 12:43 PM on February 1, 2010. A red asterisk is positioned to the left of the browser window.

13. Downloading the material was the first step. Now you are ready to read the articles.

