




TECHNOLOGY & SCIENCE RESOURCES ON THE LIBRARY OF CONGRESS WEBSITE

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at Eastern Illinois University
College of Education and Professional Studies



teaching with primary sources at Eastern Illinois University

Technology and Science

While the Library of Congress is well known for their amazing collections relevant to social studies, it is sometimes forgotten that there are millions of items for educators across all disciplines.

Take a look at our new page that offers a sampler of resources relative to Technology & Science and a plethora of links for you to explore within the diverse holdings of the Library of Congress.

Content in the center of each page will change, but the side navigation bars remain the same throughout the site. On this index page you will find:

- What is Technology and Science?
- Resources
- Primary Sources
- Books
- Announcements & Opportunities
- Resources
- Special Projects
- Webinars
- Administrators and Organizations

Summer 2013 Workshop and Presentation Resources available here!



Technology & Science Resources on the Library of Congress Website Introduction

While the Library of Congress is well known for their amazing collections relevant to social studies, it is sometimes forgotten that there are millions of items for educators across all disciplines.

This page offers a sampler of resources relative to Technology & Science.

LOC.GOV

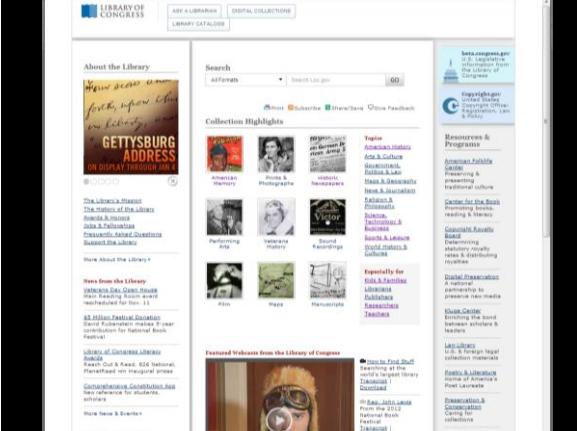
- LOC.gov Quick Start Guide (Science & Technology Edition) (pdf)

Search

- Search Text (pdf)
- Collection Highlights
- Franks of 1912
- Topics
- Science, Technology & Business
- Reading Rooms

Analysis Tools (pdf or doc)

- ABC Photo Analysis (pdf file)
- Book Analysis (PDF)
- Cartoon Analysis (pdf file)
- Letter Analysis (pdf file)
- PPP Analysis (pdf file)



About the Library

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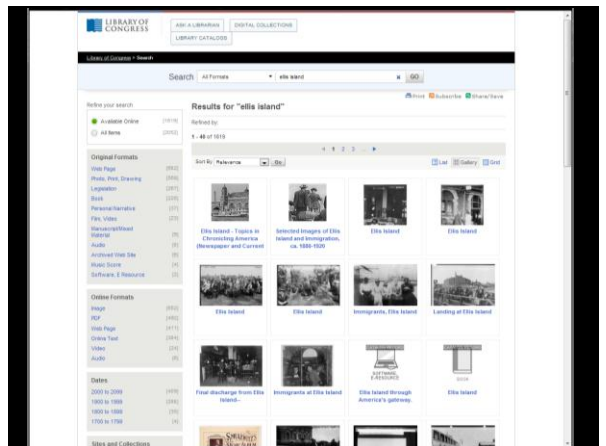
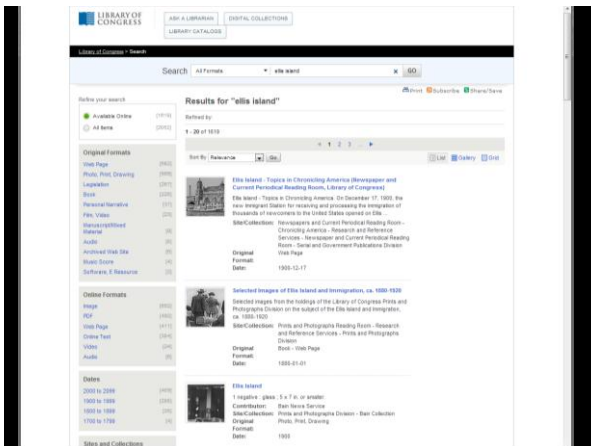
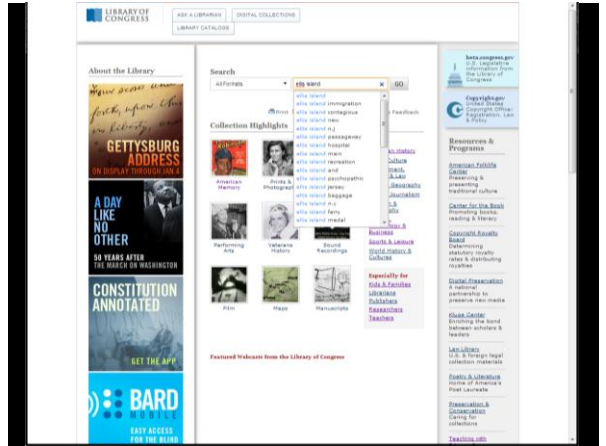
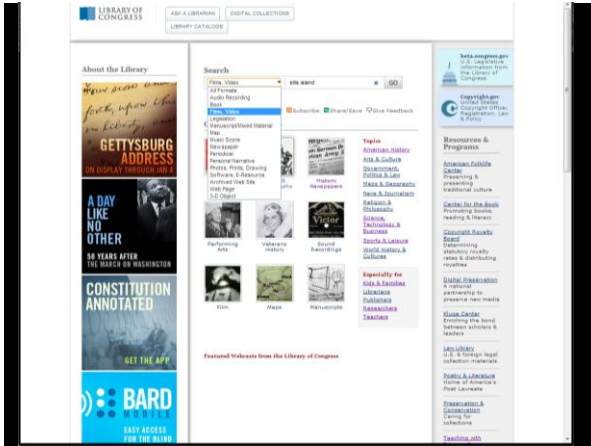
Collection Highlights

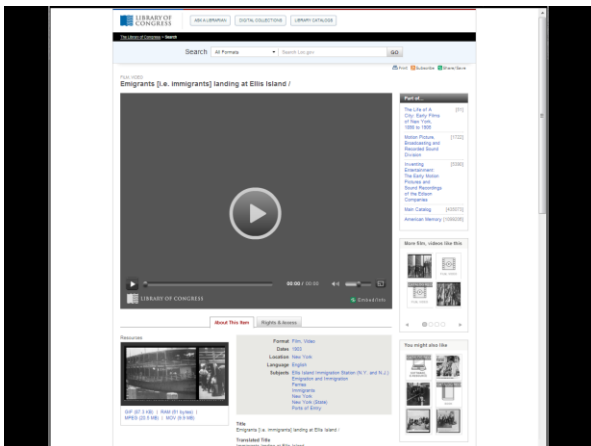
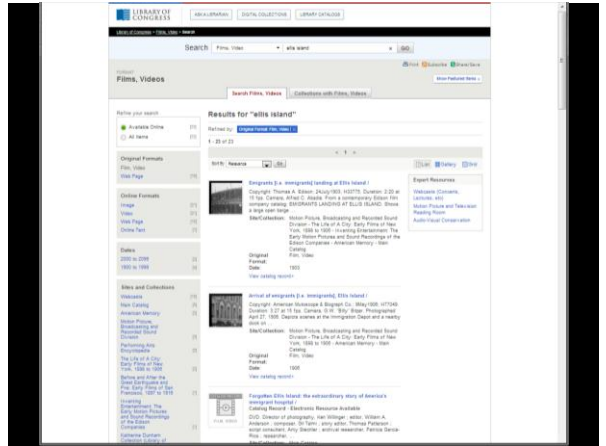
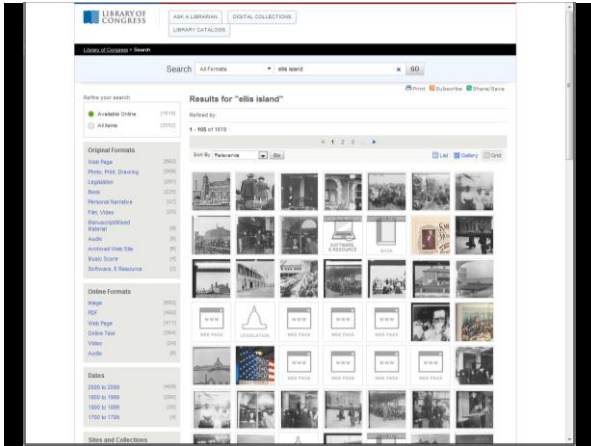
- History
- Photography
- Religion
- Science
- Visual Arts
- World

Featured Webcasts from the Library of Congress

Resources & Programs

- Academic Programs
- ALA & Culture
- Archives
- Books & Librarianship
- Books & Manuscripts
- Classical Studies
- Education
- Electronic Resources
- Exhibitions
- Foreign Language & Area Studies
- Genealogy
- Government Documents
- History
- International & Global Studies
- Language
- Legal
- Music
- Open Access
- Oral History
- Preservation
- Reference & Information Services
- Special Collections
- Technical Services
- Training & Professional Development
- Visual Arts
- World Languages



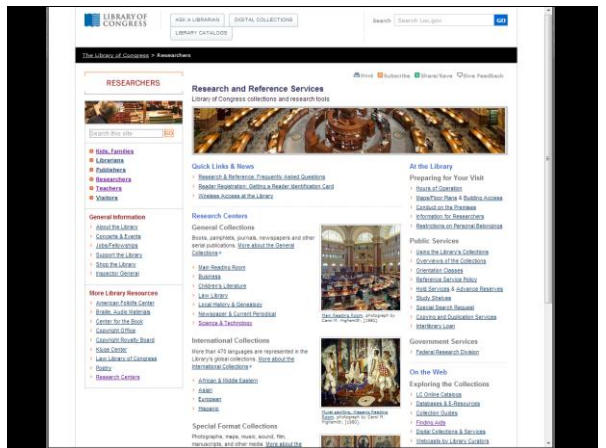
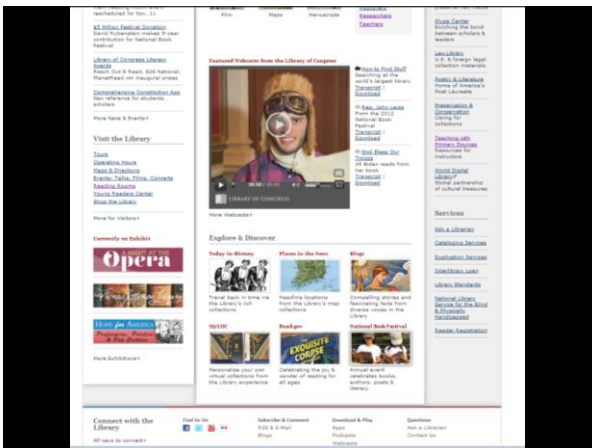
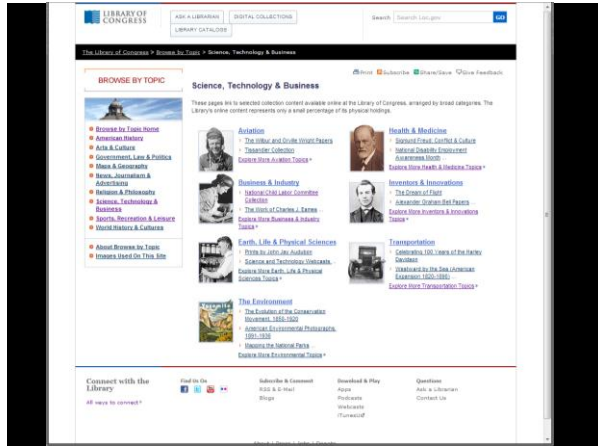
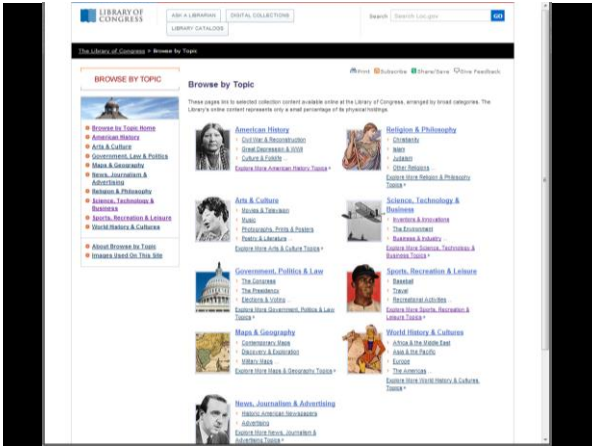


This screenshot shows the 'About the Library' page on the Library of Congress website. The page features a search bar at the top with 'afafafaf' entered. Below the search bar, there are sections for 'Collection Highlights' and 'Featured Webcasts from the Library of Congress'. The 'About the Library' section includes information about the Library's mission, its collections, and its role in providing access to digital resources. A large image of a book cover titled 'GETTYSBURG ADDRESS' is prominently displayed on the left side of the page.

This screenshot shows a different view of the Library of Congress website, focusing on the 'About the Library' section. The layout is more compact, with a search bar at the top and a large image of a book cover titled 'GETTYSBURG ADDRESS' on the left. The right side of the page contains a sidebar with various navigation options and a 'Featured Webcasts from the Library of Congress' section. The overall design is clean and professional, with a clear emphasis on the Library's digital collections and resources.

This screenshot shows a page from the Eastern Illinois University website. The page is titled 'Top Topic - Reports of 1912 Freeze' and features a large image of a newspaper clipping. The article discusses the impact of a severe winter freeze in Illinois in 1912, particularly in the Midwest and Northeast regions. It mentions that the freeze was so severe that it caused significant damage to crops and infrastructure. The page also includes a sidebar with 'General Information' and 'Analysis Tools' sections, providing additional context and resources for the article.

This screenshot shows another view of the Library of Congress website, similar to the previous one. It features the 'About the Library' section with a search bar at the top and a large image of a book cover titled 'GETTYSBURG ADDRESS' on the left. The right side of the page contains a sidebar with various navigation options and a 'Featured Webcasts from the Library of Congress' section. The overall design is clean and professional, with a clear emphasis on the Library's digital collections and resources.



The Library of Congress - Researchers

Science Reference Services

SCIENCE, TECHNOLOGY & BUSINESS DIVISION

Home Find Science Reference Pages

Science Reference Services

The Collections

- Technical Reports & Handbooks
- Research Guides By Subject
- Tracer Studies
- Science Reference Databases
- Selected Internet Resources
- For Students & Teachers
- Webinars - Find presentations by science and business experts.

Special Webcasts with Conference Cartel:

- Travel Thrills Science from the Past
- The History of Insecticide Technology
- Arched Gardens

Free Research - Collaborative IIR

Search Guide to Document Delivery, eJournals & Technology

About the Science, Technology and Business Division

Science Reference Services is the principal location for research in the areas of science, technology, technical reports, and standards.

Home Find Science Reference Pages

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LIBRARY OF CONGRESS

ASK A LIBRARIAN DIGITAL COLLECTIONS LIBRARY CATALOGUE

Search Search Lib.gov 60

Collection Highlights

GETTYSBURG ADDRESS BY ABRAHAM LINCOLN

The Gettysburg Address

How About the Library?

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The Library of Congress - Teachers

TEACHERS

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The Library of Congress offers classroom materials and professional development to help teachers effectively use primary sources from the Library's vast digital collections in their teaching.

Search Our Classroom Materials by Standards Common Core State Content Organizational

Classroom Materials

TEACHING WITH THE LIBRARY OF CONGRESS BLOG

Professional Development

Using Primary Sources

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Science and Invention

Lesson Plans

Classroom Materials

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LIBRARY OF CONGRESS | ASK A LIBRARIAN | DIGITAL COLLECTIONS | LIBRARY CATALOGUE | Search | Search Loc.gov

The Library of Congress > Teachers > Classroom Materials > Themed Resources > Science and Invention > Exhibitions and Presentations

TEACHERS

Search this site 100

- Teachers Home
- Classroom Materials
- Professional Development
- TEP Centers
- Lesson Plans / Sources
- Links and Feeds
- Additional Resources
- ESG

Science and invention

Exhibitions and Presentations

Detail: Gatherers at the school house.

Themed Resources Home | Primary Source Sets | Lesson Plans | Exhibitions and Presentations | Collection | Collections | Search Terms | Top Results

Multimedia resources from the Library of Congress that support instruction about science and invention. These resources include expert presentations, exhibitions, bibliographies, Webcasts, and other online materials.

- Biography of Emily, using Open Digital Collections:** Learn about Benjamin Franklin's public, professional, and scientific accomplishments through important documents, letters, books, illustrations, and cartoons. The [Journal and Sketches](#) section features the design experiments and inventions.
- Constitution: Chronology of Selected Events in the Development of the American Constitution Movement, 1847-1920 Presentation:** This feature features documents and images that feature the history of the constitutional movement.
- Earth as we know it today (Exhibition):** This exhibit shows a landscape of the earth, selected primarily for their aesthetic value.
- Emily and the American Engineering Presentation:** The sections in this presentation describe some of the important ideas taken to recognize in shaping the national environment.
- Emily Bellini, founder of the Glassblowing Presentation:** Learn about Emily Bellini who was responsible for the development of the microscope and the flat recording disc and gramophone player.
- Experiments and meetings (Web and photographs):** view a selection of images depicting experiments and meetings from the seven versions of *Public America*.
- First American Historical Society: History of Congress Bibliography:** This online bibliography lists Benjamin Franklin resources across the Library of Congress Web site and beyond.
- First and Last America:** Themed Resources Access a wide variety of Library of Congress resources related to the topic of First.

LIBRARY OF CONGRESS | ASK A LIBRARIAN | DIGITAL COLLECTIONS | LIBRARY CATALOGUE | Search | Search Loc.gov

The Library of Congress > Teachers > Classroom Materials > Themed Resources > Science and Invention > Collection Collections

TEACHERS

Search this site 100

- Teachers Home
- Classroom Materials
- Professional Development
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- Lesson Plans / Sources
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- Additional Resources
- ESG

Science and Invention

Collection Collections

Detail: Gatherers at the school house.

Themed Resources Home | Primary Source Sets | Lesson Plans | Exhibitions and Presentations | Collection | Collections | Search Terms | Top Results

Historical context and ideas for integrating individual digital collections of primary sources into instruction.

- Benjamin Franklin: The Earth, Plants and the Library of Congress, 1847-1920** (Summary and Teaching Resources) Five online presentations (including "Gatherers at the School House") and the "First America" book, Collections highlight, The Timeline, and History, Telegraph and Time Line of Benjamin Franklin (Both) are of special interest.
- Historical Environmental Photographs, 1840-1920** (Images from the University of Chicago Library (Summary and Teaching Resources) This collection can be searched by either subject or geographical location. Includes a special presentation - Earth and the American Environment.
- America's First Use of the Camera: Copperplate Printing and Glass** (Summary and Teaching Resources) Make sure to view the special presentation in the appropriate context.
- Benjamin Franklin: American Historical Society/United States American Engineering Report, 1847-1920** (Summary and Teaching Resources) Searchable by subject and geographical location, this collection would be especially useful in the study of electricity.
- Emily Bellini and the Birth of the Microscope Industry** (Summary Only) Make sure to view the special presentation - Emily Bellini: founder of the Glassblowing.
- The Evolution of the Constitution Movement, 1847-1920** (Summary and Teaching Resources) Make sure to view the special presentation - Chronology of Selected Events in the Development of the American Constitution Movement.
- Emily Bellini: Founder of the Glassblowing Industry, 1847-1920** (Summary and Teaching Resources) This collection highlights the significance of technology and innovation at the beginning of the twentieth century.
- Benjamin Franklin: American Historical Society/United States American Engineering Report, 1847-1920** (Summary and Teaching Resources) This collection includes the early work of Benjamin Franklin and the American Engineering Report.

LIBRARY OF CONGRESS | ASK A LIBRARIAN | DIGITAL COLLECTIONS | LIBRARY CATALOGUE | Search | Search Loc.gov

The Library of Congress > Teachers > Classroom Materials > Themed Resources > Science and Invention > For Students

TEACHERS

Search this site 100

- Teachers Home
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Science and invention

For Students

Detail: Gatherers at the school house.

Themed Resources Home | Primary Source Sets | Lesson Plans | Exhibitions and Presentations | Collection | Collections | Search Terms | Top Results

Online activities and background information from the Library of Congress to help students learn more about science and invention.

- American Treasures: "M. J. Perry's Camera Patent"** (Exhibition) American Grammar Bellini's camera patent of March 10, 1876, revolutionized the first successful experiment with the daguerotype.
- American Treasures: Fulton's Dredging** (Exhibition) Hamilton's invention commissioned the first practical submarine, designed by the American inventor, Robert Fulton.
- American Treasures: Samuel F. B. Morse** (Exhibition) In March 1839, artist and inventor Samuel F. B. Morse traveled to Paris to promote his telegraph.
- Edward Feltus and Benjamin Franklin's Library** (Exhibition) Feltus had 1000 patents, but he also had a few inventions that helped to improve the world.
- Emily Bellini: Flat Science Facts from the Library of Congress** (Presentation) Students will enjoy discovering the answers to a series of exciting science questions.
- The Invention of the Ocean Code** (America's Library) Enjoy the America's Library short story on the invention of this sweet treat.
- John Bull in Time** (Inventor Kings: How Was John Bull Invented?) (America's Library) Elihu Howe, inventor of the first practical American printing machine, was born July 6, 1818.
- John Bull: How, Captain, North Carolina Four Fourths** (America's Library) The Wright brothers were from Ohio, but they achieved most of their successes in North Carolina.
- Benjamin Franklin: American Historical Society/United States American Engineering Report** (Summary and Teaching Resources) Learn about people like Benjamin Franklin who invented products and made discoveries that changed our lives.

From [www.loc.gov/teachers/classroommaterials/themed-resources/exhibitions/science-and-invention/for-students/](#)

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About the Library

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Collection Highlights

- History
- Photography
- Science
- Arts
- History
- Science
- Photography

Featured Webcasts from the Library of Congress

Visit the Library

Resources & Programs

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- Art & Culture
- Classical Music
- Education & Learning
- Exhibitions
- Historical Photographs
- Language & Literature
- Legal & Government
- Music
- Oral History
- Reference & Research
- Special Collections
- Teaching Resources
- Webcasts

Copyright Clearance Center

Copyright Office Registration, Library of Congress

Copyright Clearance Center

Copyright Office Registration, Library of Congress

Copyright Clearance Center

Copyright Office Registration, Library of Congress

LIBRARY OF CONGRESS

The Library of Congress - Kids, Families

KIDS, FAMILIES

Log on, play around, learn something!

Spotlight on Kids & Families

Resources for...

- Kids & Families
- Librarians
- Publiclibrarians
- Researchers
- Teachers
- Students

General Information

- About the Library
- Access & Events
- Ask a Librarian
- Support the Library
- Using the Library
- Working at the Library

More Library Resources

- American Family Center
- Books, Audio, Videos
- Copyright Office
- Congressional Research Service
- Digitized Content
- Law Library of Congress
- Study
- Research Centers

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The Library of Congress - Research Centers - Science Reference Services

EVERYDAY MYSTERIES

Fun Science Facts from the Library of Congress

<< HOME >> << See More Everyday Mysteries >> << Ask a Question >>

Find in Everyday Mysteries Pages

Did you ever wonder why a camel has a hump? If you can really tell the answer by listening to the clomp of a camel's hooves, you can make popping sounds? These questions deal with everyday phenomena that we often take for granted, but each can be explained scientifically.

Everyday Mysteries will help you get the answers to these and many other of life's most interesting questions through scientific inquiry. In addition, we will introduce you to the Library of Congress' rich collections in science and technology.

All of the questions presented on this web site were asked by researchers and answered by librarians from the Library's Science Reference Services.

Featured Question



Why is it hot in the summer and cold in the winter?

Browse Other Questions

The Library of Congress - Research Centers - Science Reference Services | Contact Us | January 24, 2011

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EVERYDAY MYSTERIES

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Question

What is the largest flower in the world?

Answer

The Rafflesia arnoldii.

The flower with the world's largest bloom is the Rafflesia arnoldii. This rare flower is found in the rainforests of Indonesia. It can grow to be 3 feet across and weigh up to 13 pounds! It is a parasitic plant, with no visible leaves, roots, or stem. It attaches itself to a host plant to obtain water and nutrients. When in bloom, the Rafflesia sends a rapturous odor, similar to that of rotting meat. This odor attracts insects that pollinate the plant.

Another enormous flower found in Indonesia is the Anemophilum titanum, or Titan anem. It is also known as the "corpse flower" for its unpleasant odor. Like the Rafflesia, the Titan emits the smell of rotting flesh to attract pollinators. Technically, the Titan anem is not a single flower. It is a cluster of many tiny flowers, called an inflorescence. The Titan anem has the largest unbranched inflorescence of all flowering plants. The plant can reach heights of 15 to 25 feet and weigh as much as 170 pounds!

Related Web Sites

- Virtual Herbarium: Conserving the Giant Titans** - This site provides the history, practices, and frequently asked questions about the Titan anem, as well as the Rafflesia arnoldii.
- Rare Royal Botanic Gardens: Anemophilum titanum** - This page provides Anemophilum titanum species information, description, cultivation and helpful professional links.
- Rare Royal Botanic Gardens: Rafflesia arnoldii** - This page provides Rafflesia arnoldii species, geographic distribution, discover information and helpful web links.
- Rafflesia arnoldii** - This page contains photographs of the Rafflesia arnoldii.

Further Reading

Attenborough, David. *The private life of plants: A natural history of plant behaviour*. Princeton, NJ: Princeton University Press, 1995. 220 p.

The Library of Congress - Research Centers - Science Reference Services

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Fun Science Facts from the Library of Congress

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Featured Questions from the Library of Congress

- How to Find Stuff** - Searching for the world's largest library. [Question]
- How to Find Stuff** - Searching for the world's largest library. [Answer]
- How to Find Stuff** - Searching for the world's largest library. [Question]
- How to Find Stuff** - Searching for the world's largest library. [Answer]
- How to Find Stuff** - Searching for the world's largest library. [Question]
- How to Find Stuff** - Searching for the world's largest library. [Answer]

Explore & Discover

- Opera** - Explore the history and practice of opera.
- How to Find Stuff** - Searching for the world's largest library.
- How to Find Stuff** - Searching for the world's largest library.
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