



# Britannica Academic

# 大英百科—全面的信息研究平台

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## What we've achieved in the past three years – update report

过去三年的变化, 业绩, 以及进步

## Update Report: 公司持续成长

- 2013年, 我们新增加了12位DRAA成员馆, 感谢CALIS的支持和帮助。
- 2013年, 检索量: 9.5 million, 全文下载量为: 877217
- 我们在各个国家的市场比例持续增长, 特别是在中小学领域, 我们开发了许多成功的课堂电子产品
- 我们的编辑力量和技术力量持续增长, 在过去的三年, 人数增加了30%

## Update report: 资源持续更新

- 过去三年, 大英百科高校版新增加了16, 000多篇文章, 更新文章总数达到20, 300多篇, 目前文章总量大约为133, 300多篇。
- 过去三年, 大英百科高校版新增了26, 000多幅图片, 5700多个视频, 目前图片总量约为90, 000多幅, 视频总量约为9, 000多个。
- 目前大英百科高校版约包含24, 000多册电子图书和原始参考文献, 以及80, 000多篇最新的电子期刊文章。
- 我们获得了Sage在42份期刊上将近2千9百万字数的内容, 并进行了编辑与更新, 从今年3月到现在, 已经增加了560多篇来自Sage的文章资源。
- 2013年, 大英百科还发布了最新一版的韦氏在线字典。

# Update Report

**HOME** • **BROWSE** • **ADVOCACY** • **HELP** • **WORKSPACE**

**Britannica** ACADEMIC EDITION Encyclopædia Britannica Advanced Search

Science & Technology Encyclopædia Britannica

Table of Contents **forensic anthropology** Go Advanced Search

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## forensic anthropology

Primary Contributor: H. James Birx

**ARTICLE** from the Encyclopædia Britannica

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**forensic anthropology**, application of physical anthropology to legal cases, usually with a focus on the **human skeleton**. Forensic anthropology uses the techniques of physical anthropology to analyze skeletal, badly decomposed, or otherwise unidentified human remains to solve crimes. Forensic anthropologists assess the age, sex, and unique features of a decedent and are invaluable in documenting trauma to the body and estimating how long a corpse has been decomposing. Forensic anthropologists work closely with individuals in law enforcement and medical science—and especially with specialists in **ballistics**, **explosive pathology**, **serology** (the study of blood and bodily fluids), and **toxicology**—and are often expert witnesses in murder trials.

Although physical anthropology is concerned with **human evolution**, **human variation**, and the biological bases of **human behaviour**, many of its excavation and reconstruction techniques can be applied to forensic anthropology. Both disciplines use empirical evidence, genetic information, and computer technology to determine the physical characteristics of human specimens. Indeed, a forensic anthropologist can reconstruct the face of a murder victim in much the same way a physical anthropologist can reconstruct the face of a 100,000-year-old **Neanderthal** skull.

**Historical developments**

Since the 13th century, medical examiners have sought to determine the causes of deaths and to solve crimes. Given that a death can be **natural**, **accidental**, **homicide**, **suicide**, or **undetermined**, forensic science has been greatly aided by developments in modern **chemistry**, **toxicology**, and **photography**.

Equipped with the pioneering work of German anthropologist **Johann Friedrich Blumenbach** in comparative human morphology, early forensic anthropologists relied upon **anthropometry** (the science of recording measurements of various parts of the human body). They used such physical measurements to determine general biological traits within a human population, as well as morphological differences from population to population, including the alleged physical characteristics of **racists** and **criminals**. This comparative methodology has largely been supplemented by the more exacting sciences of **fingerprinting** and **DNA profiling** determining a positive identification.

The publication of Austrian criminologist Hans Gross's *Handbuch für Untersuchungsrichter* (1893; *Criminal Investigation*) helped to establish the science of forensics, especially in terms of a cross-transfer of evidence, such as dirt, fingerprints, carpet fibres, or hair, from the criminal to the victim. Early in the 20th century serological research led to the discovery of the A, B, AB, and O blood groups, thus increasing the value of blood as evidence at a crime scene. In the mid-20th century, advances in **biochemistry** and technology resulted in the discovery of unique gene markers in each person; these genetic differences allow for the **reprinting** of hair, blood, semen, and tissue. Thus, DNA testing was a major contribution to modern forensic science, though forensic anthropologists generally do not conduct such DNA analyses and often only supply samples to be tested. The 20th and 21st centuries have also seen substantial growth in public forensic laboratories, enabling the collection and study of empirical evidence.

**Forensic investigation**

Forensic anthropologists may work with bodies in a variety of conditions, including as mummies, piles of bones, decomposed bodies, charred remains, and the victims of aircraft crashes or natural catastrophes. Investigations often begin with a ground search team using cadaver dogs or a low-flying plane to locate a human body or skeleton. As a meticulous examination of any death scene is imperative, forensic anthropologists are frequently involved at the earliest stages of investigating a human skeleton. After mapping, photographing, and labeling relevant items at the scene, the osteological evidence is examined at a forensic laboratory. Fragments are sorted according to size and shape and fitted together when possible.

As experts in **osteology**, forensic anthropologists focus on human skeletal traits, such as skull features, dental characteristics, and subcranial bone sizes and shapes, that vary from individual to individual and from population to population. When compared with medical and **dental records**, the presence of bone anomalies or pits, or specific dental characteristics can help to make a positive identification. In addition to revealing the age, sex, size, stature, health, and ethnic population of the decedent, an examination of the skeleton may reveal evidence concerning pathology and any **antemortem** (before death), **perimortem** (at the time of death), or **postmortem** (after death) trauma. Often the time elapsed since death can be determined by using **forensic entomology**, which studies the relationship between insects and decomposition.

# Update Report: 适应移动设备时代

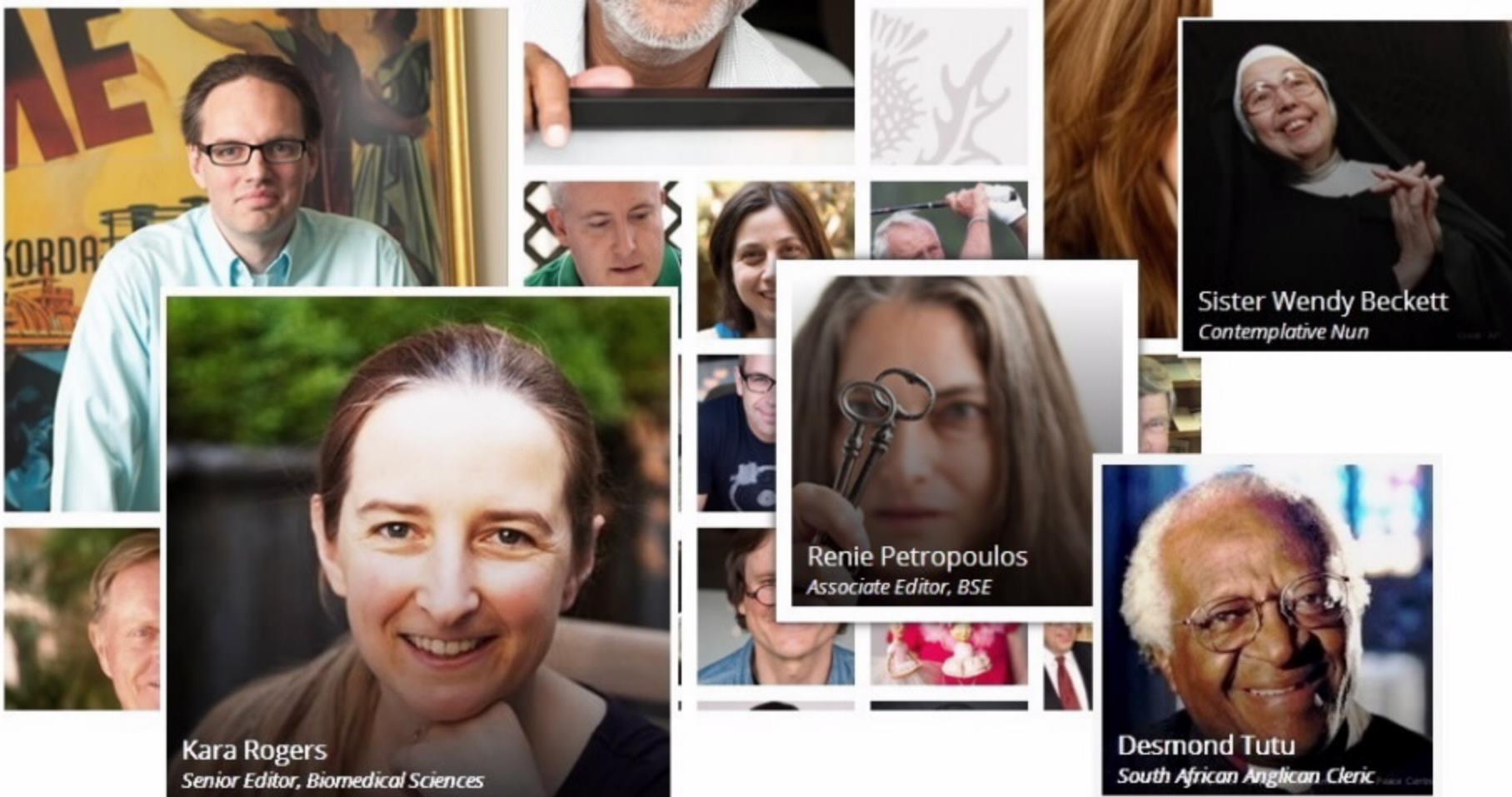
- 不列颠公司致力于使所有的网站产品都能够适应移动设备的需要
- 学术版将在今年的12月推出全新设计的版本, 新的responsive design, 适应不同屏幕大小的需要。
- 随时随地在任何设备上都可以使用。



# 今天的大英百科高校版

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- 用户包括中科院, 北京大学, 清华大学, 牛津大学, 哈佛大学, 澳洲国立大学
- 市场占有率: USA – 75%, Malaysia – 90%, UK – 75%, Australia – 70%, Ireland – 100%, Finland – 100%, New Zealand – 70%

## 大英百科的编写与编辑群体：



# Home page is feature rich

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ACADEMIC EDITION

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The first manned Soyuz spacecraft was launched by the Soviet Union in 1967. The Soyuz is the longest-serving manned-spacecraft design in use.

Human Spaceflight Collection/NASA

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▶ Hans Hollein	▶ prosody
▶ Cinecitta	▶ Saint John XXIII
▶ Saint John Paul II	▶ John Ashbery
▶ Johnny Depp	▶ Maeve Binchy

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**News**

**The New York Times**  
ON THE WEB

DealBook: Pfizer Proposes a Marriage With AstraZeneca, Easing Taxes in a Move to Britain

Kerry Apologizes for Remark That Israel Risks Apartheid

Ending Asia Trip, Obama Defends His Foreign Policy

**BBC NEWS**

North Korea holds live-fire drill

S Korea president in ferry apology

Second night of deadly US tornadoes

# Search also provides related content from Magazines, E-books, Primary Sources and Year in Review

HOME · SEARCH · BLOG · AEROSPACE · HELP

Welcome, Roland  
View Your Workspace

**Britannica** ACADEMIC EDITION

Search Results: STONEHENGE

Stonehenge

STONEHENGE.

Shepherd of Stonehenge.

Solving Stonehenge: The Key to an Ancient Enigma.

DIGGING UP STONEHENGE.

Solving Stonehenge.

'Costly' Stonehenge tunnel scrapped.

Stonehenge visitor centre falls victim to coalition cuts in emergency budget.

Tesco puts Stonehenge tunnel back on agenda.

Stonehenge link dropped.

STONEHENGE VISITOR CENTRE DESIGN REVEALED.

CULLINAN COULD MAKE COMEBACK AT STONEHENGE.

Stonehenge plan unveiled.

STONEHENGE CENTRE DITCHED.

Consultation set for Stonehenge options.

Contemporary Review, 2009  
dig, October 2007  
Stone Soup, November 2007  
Contemporary Review, 2009  
Current Events, April 14, 2008  
History Today, July 2008  
New Civil Engineer, December 12, 2007  
Morticulture Week, July 3, 2008  
New Civil Engineer, February 28, 2008  
Planning, December 14, 2007  
Planning, October 16, 2008  
Architect's Journal, January 24, 2008  
Planning, October 8, 2009  
Architect's Journal, December 13, 2007  
Planning, July 4, 2008

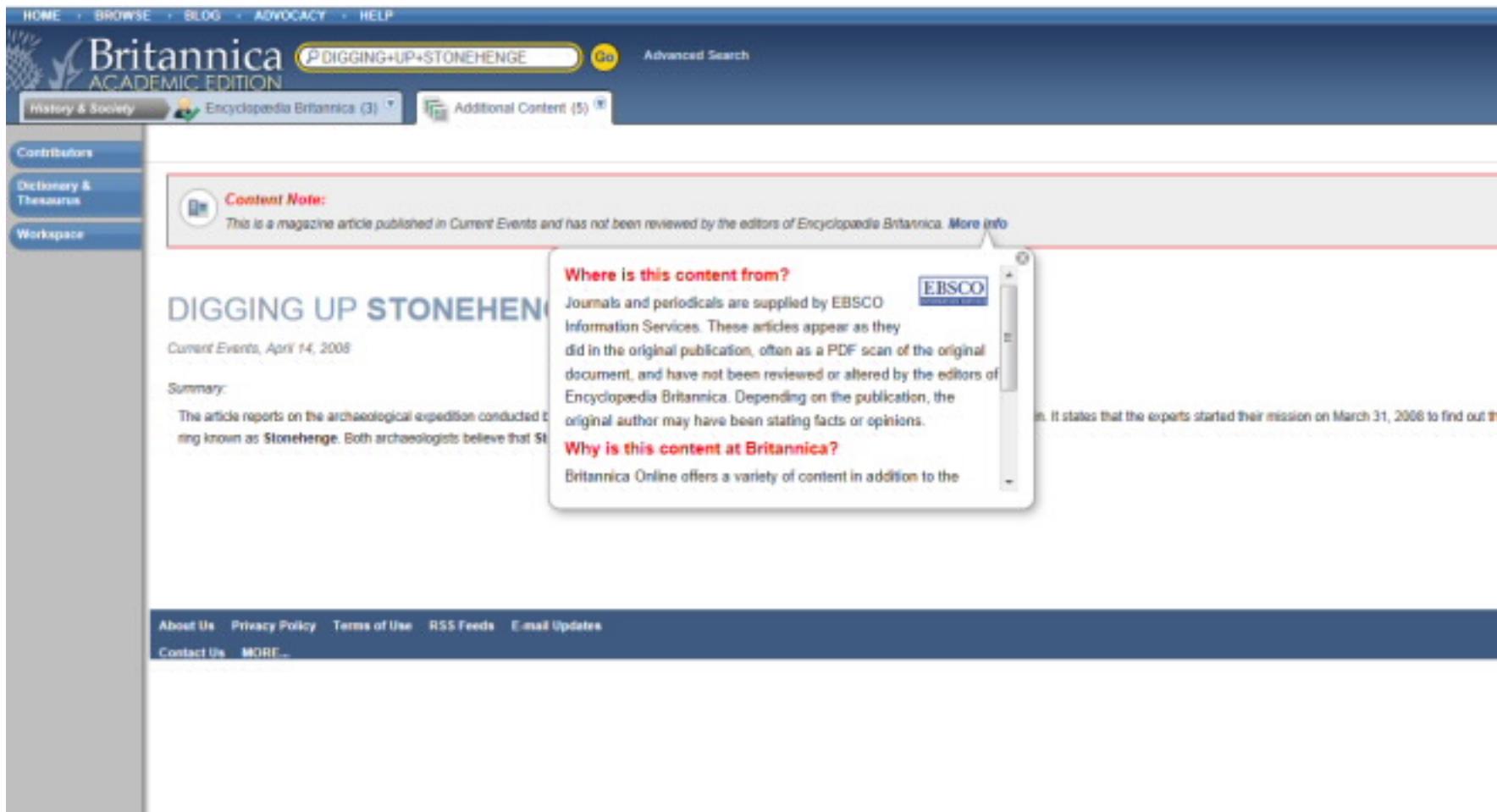
**DIGGING UP STONEHENGE.**

Current Events, April 14, 2008

The article reports on the archaeological expedition conducted by archaeologists Geoff Wainwright and Tim Darvill at the Stonehenge in Great Britain. It states that the experts started their mission on March 31, 2008 to find out the answer to the question on why did humans living thousands of years ago huge stones to build the ring known as Stonehenge. Both archaeologists believe that Stonehenge was constructed as a healing place around 3000 B.C.

[Save to My Workspace](#)

# Search also provides related content from Magazines, E-books, Primary Sources and Year in Review



The screenshot shows the Encyclopædia Britannica Academic Edition homepage. At the top, there is a navigation bar with links for HOME, BROWSE, BLOG, ADVOCACY, and HELP. Below the navigation is a search bar containing the query "DIGGING+UP+STONEHENGE". To the right of the search bar are "Go" and "Advanced Search" buttons. Below the search bar, there are two tabs: "Encyclopædia Britannica (3)" and "Additional Content (5)". On the left side, there is a sidebar with links for Contributors, Dictionary & Thesaurus, and Workspace. The main content area features a search result for an article titled "DIGGING UP STONEHENGE". The article is from "Current Events, April 14, 2008". A "Content Note" box indicates that the article is a magazine article published in Current Events and has not been reviewed by the editors of Encyclopædia Britannica. It includes a link to "More info". Below the note, there are two informational boxes: "Where is this content from?" and "Why is this content at Britannica?". The "Where is this content from?" box is associated with EBSCO Information Services and explains that the articles appear as they did in the original publication, often as a PDF scan of the original document, and have not been reviewed or altered by the editors of Encyclopædia Britannica. The "Why is this content at Britannica?" box states that Britannica Online offers a variety of content in addition to the original source. At the bottom of the page, there are links for About Us, Privacy Policy, Terms of Use, RSS Feeds, Email Updates, Contact Us, and MORE... The footer also contains the copyright notice: © 2014 Encyclopædia Britannica, Inc.

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# Article text, related links, web sites, and quotations on a subject are displayed on a single page for easier research

HOME · BROWSE · BLOG · ADVOCACY · HELP

 Advanced Search

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History & Society Encyclopedia Britannica User Profile

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## Stonehenge

Primary Contributor: Mike Parker Pearson

**ARTICLE** from the Encyclopædia Britannica



**Stonehenge**, prehistoric stone circle monument, cemetery, and archaeological site located on [Salisbury Plain](#), about 8 miles (13 km) north of [Salisbury](#), Wiltshire, England. It was built in six stages between 3000 and 1520 [Age](#) to the [Bronze Age](#). As a prehistoric stone circle, it is unique because of its artificially shaped [sarsen](#) stones (blocks of [Cenozoic silcrete](#)), arranged in [post-and-lintel](#) formation, and because of the remote origin of its smaller 240 km away, in South Wales. The name of the monument probably derives from the [Welsh](#) *stan-hengen*, meaning "stone hanging" or "gallows." Along with more than 350 nearby monuments and henges (ancient earthworks and [UNESCO](#) World Heritage site in 1986).

**Speculation and excavation**



Stonehenge has long been the subject of historical speculation, and ideas about the meaning and significance of the structure continued to develop in the 21st century. English antiquarian John Aubrey in the 17th century and his c. believed the structure to be a [Druid](#) temple. This idea has been rejected by more-recent scholars; however, as Stonehenge is now understood to have predated by some 2,000 years the Druids recorded by [Julius Caesar](#).



In 1963 American astronomer Gerald Hawkins proposed that Stonehenge had been constructed as a "computer" to predict lunar and solar eclipses; other scientists also attributed astronomical capabilities to the monument. Most of English archaeologist Colin Renfrew hypothesized that Stonehenge was the centre of a confederation of [Bronze Age](#) chiefdoms. Other archaeologists, however, have since come to view this part of [Salisbury Plain](#) as a point of int seasonal gathering place during the 4th and 3rd millennia [B.C.](#) for groups living in the lowlands to the east and west. In 1998 Malagasy archaeologist Ramilisonina proposed that Stonehenge was built as a monument to the ancestors of the tribe.



In 2000 British archaeologists Tim Darvill and Geoffrey Wainwright suggested—on the basis of the [Avebury](#) Archer, an Early Bronze Age skeleton with a knee injury, excavated 3 miles (5 km) from Stonehenge—that Stonehenge human remains from around and within the monument show no difference from other parts of Britain in terms of the population's health.

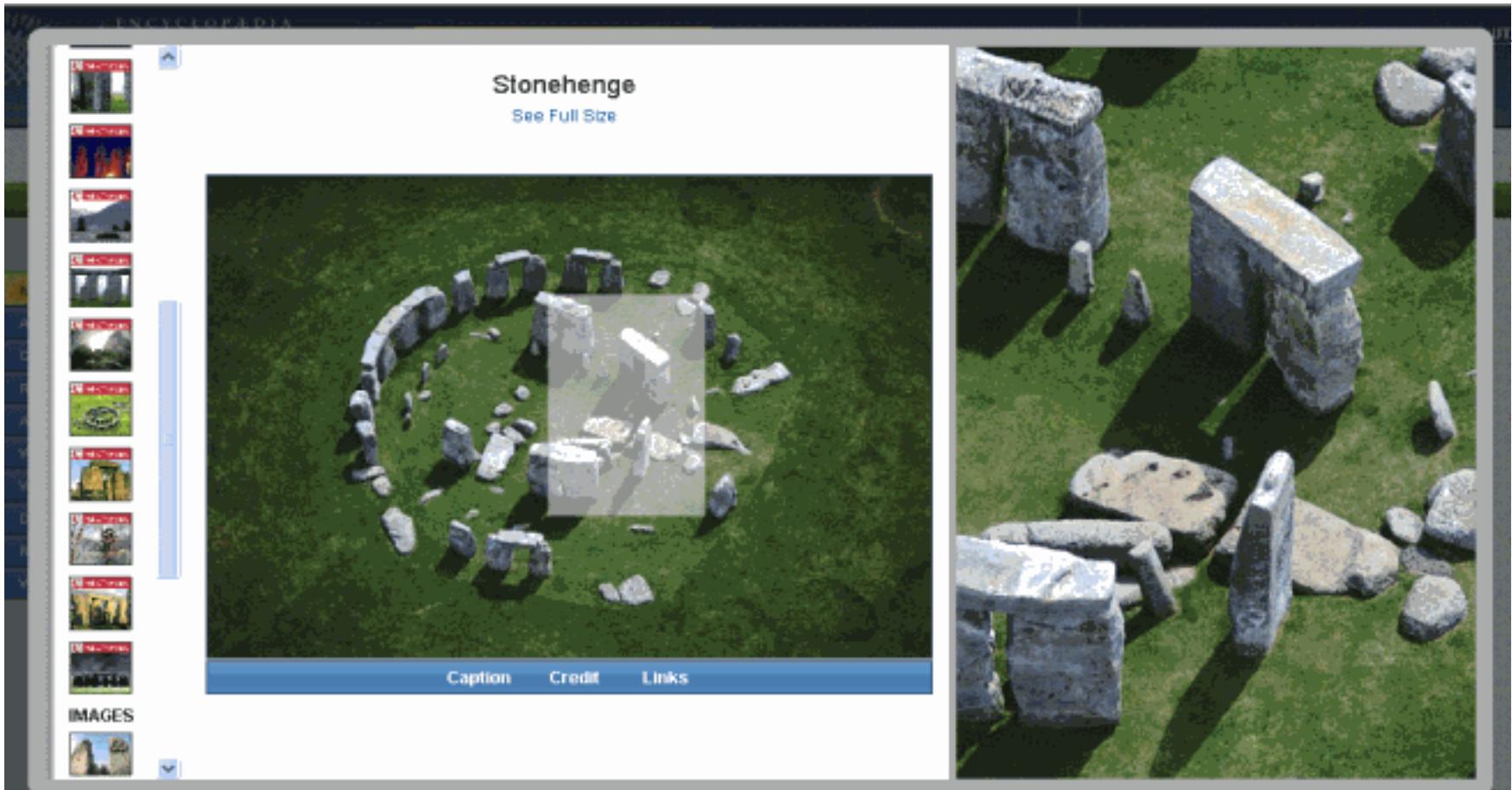


The Stonehenge that is visible today is incomplete, many of its original sarsens and bluestones having been broken up and taken away, probably during Britain's Roman and medieval periods. The ground within the monument all stones but also by digging—in various degrees and ends—since the 16th century, when historian and antiquarian William Camden noted that "ashes and pieces of burnt bone" were found. A large, deep hole was dug within the stone wall looking for treasure. A century later Stukeley surveyed Stonehenge and its surrounding monuments, but it was not until 1914–77 that Flinders Petrie made the first accurate plan of the stones. In 1877 Charles Darwin dug two earthworms. The first proper archaeological excavation was conducted in 1901 by William Gowland.

About half of Stonehenge (mostly on its eastern side) was excavated in the 20th century by the archaeologists William Hawley, in 1919–26, and Richard Atkinson, in 1958–70. The results of their work were not fully published until 1 extensively by means of carbon-14 dating. Major investigations in the early 21st century by the research team of the [Stonehenge Riverside Project](#) led to further revisions of the extent and sequence of Stonehenge. Darvill and Wainwright's 2008 exc

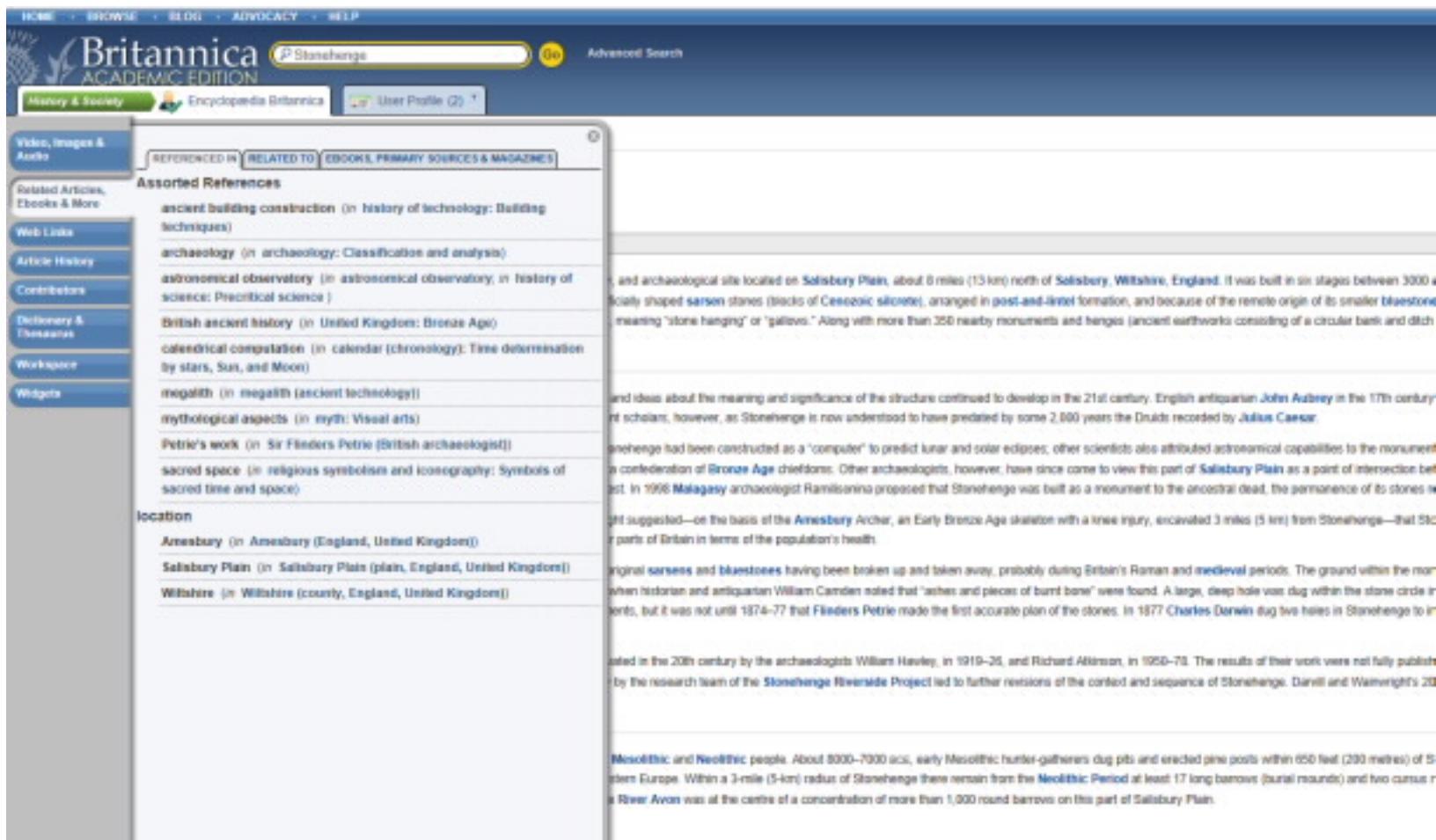
**Stages of Stonehenge**

Media is presented in an overlay that allows you to browse all of the media without leaving the page



The image shows a screenshot of the Encyclopædia Britannica website. On the left, there's a vertical sidebar with a grid of thumbnail images labeled 'IMAGES'. The main content area features a large image of the Stonehenge stone circle. Overlaid on this image is a smaller, semi-transparent version of the same image, which is interactive. Below the main image, there are three buttons: 'Caption', 'Credit', and 'Links'. At the top of the main content area, the word 'STONEHENGE' is displayed in a bold, sans-serif font. Below it, the word 'Stonehenge' appears again, followed by a blue link 'See Full Size'. To the right of the main image, there's a larger, separate image showing a close-up view of several large, upright stones from a different angle.

# The interactive tool bar on every article provides access to all related resources : “Other Reference”



The screenshot shows the Britannica Academic Edition homepage with a search bar for "Stonehenge". A sidebar titled "Assorted References" is open, listing various topics related to Stonehenge, such as ancient building construction, archaeology, astronomical observatory, British ancient history, calendrical computation, megalith, mythological aspects, Petrie's work, sacred space, and location. The main content area discusses the history and significance of Stonehenge, mentioning its construction in six stages between 3000 and 2000 BC, its use as an astronomical observatory, and its role as a sacred space.

**Assorted References**

- ancient building construction (in history of technology: Building Techniques)
- archaeology (in archaeology: Classification and analysis)
- astronomical observatory (in astronomical observatory; in history of science: Precritical science)
- British ancient history (in United Kingdom: Bronze Age)
- calendrical computation (in calendar (chronology): Time determination by stars, Sun, and Moon)
- megalith (in megalith (ancient technology))
- mythological aspects (in myth: Visual arts)
- Petrie's work (in Sir Flinders Petrie (British archaeologist))
- sacred space (in religious symbolism and iconography: Symbols of sacred time and space)

**location**

- Amesbury (in Amesbury (England, United Kingdom))
- Salisbury Plain (in Salisbury Plain (plain, England, United Kingdom))
- Wiltshire (in Wiltshire (county, England, United Kingdom))

# The interactive tool bar on every article provides access to all related resources : “Related Articles”

HOME > BROWSE > BLOG > ADVOCACY > HELP

**Britannica** ACADEMIC EDITION

P Stonehenge  Advanced Search

History & Society Encyclopedia Britannica

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Web Links

Article History

Contributors

Dictionary & Thesaurus

Workspace

Widgets

REFERENCES IN RELATED TO BOOKS, PRIMARY SOURCES & MAGAZINES

**People**

The following are some people associated with "Stonehenge"

- William Stukeley (English physician and antiquarian)

**Places**

The following are some places associated with "Stonehenge"

- England (constituent unit, United Kingdom)
- Salisbury (former district, England, United Kingdom)
- Stonehenge (ancient monument, Wiltshire, England, United Kingdom)
- United Kingdom
- Wiltshire (county, England, United Kingdom)

**Other**

The following is a selection of items (artistic styles or groups, constructions, events, fictional characters, organizations, publications) associated with "Stonehenge"

- megalith (ancient technology)
- Mesolithic Period (anthropology)
- prehistoric religion
- World Heritage site

**Quick Facts**

The following are quick facts associated with "Stonehenge"

- Facts about Stonehenge, as discussed in Britannica Compton's Encyclopedia Stonehenge:
- Facts about Stonehenge, as discussed in Britannica's Elementary Encyclopedia Stonehenge:
- Facts about Stonehenge: Amesbury, as discussed in Amesbury (England, United Kingdom):
- Facts about Stonehenge: British ancient history, as discussed in United Kingdom: Bronze Age:
- Facts about Stonehenge: Petrie's work, as discussed in Sir Flinders

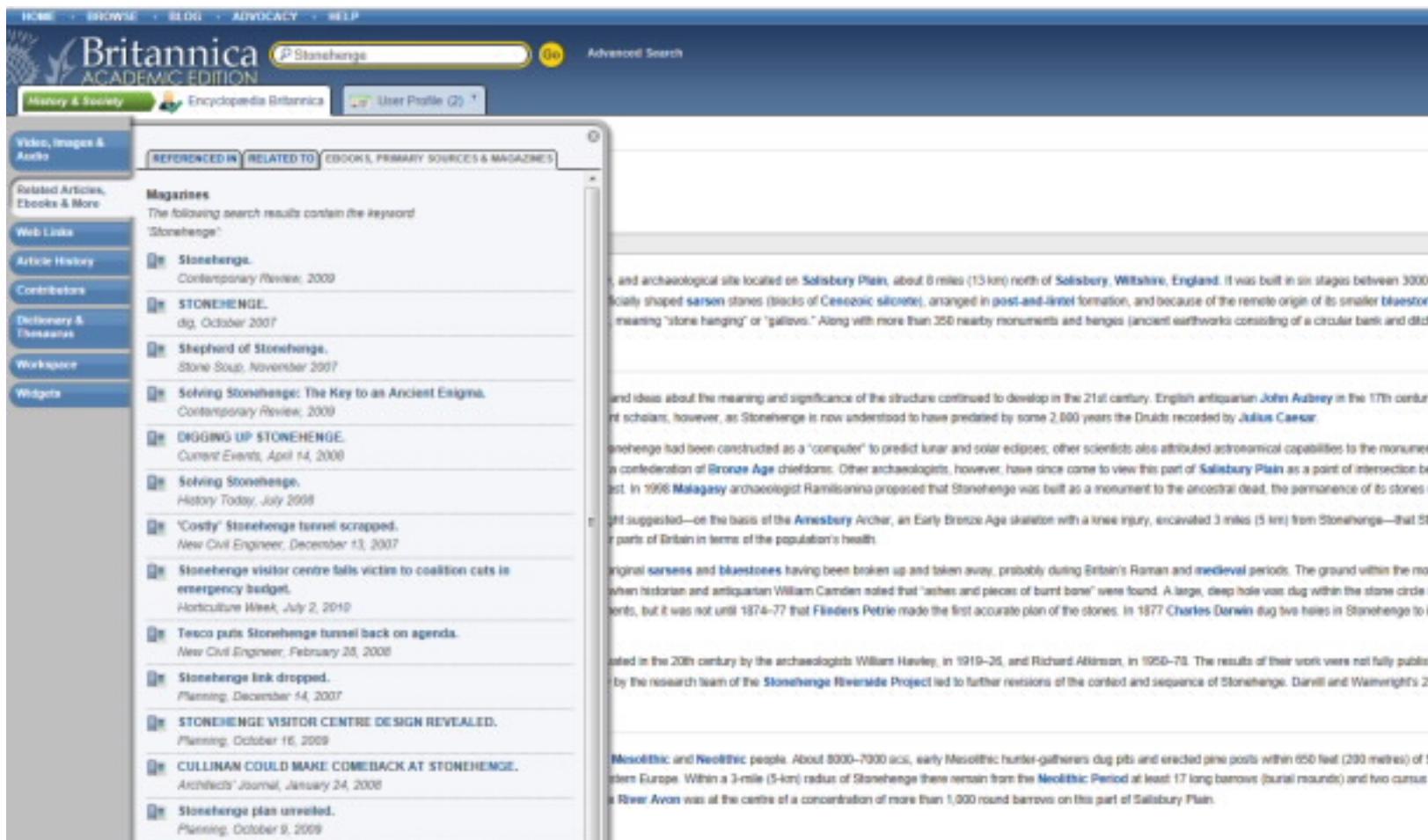
and archaeological site located on [Salisbury Plain](#), about 8 miles (13 km) north of [Salisbury](#), [Wiltshire](#), England. It was built in six stages between 3000 and 1500 bce. The stones consist of bluestones (blocks of [Cenozoic silicate](#)) and sarsens (locally shaped [sarsen](#) stones). The bluestones were transported from the Preseli Hills in [West Wales](#) and the sarsens from the Marlborough Downs. The bluestones were arranged in a circle and the sarsens in concentric circles. The stones were set upright in vertical holes and held in place by large stones called [lintels](#). The entire structure is surrounded by a circular bank and ditch. The purpose of Stonehenge remains unknown, although various theories have been proposed, including祭祀 (ritual), astronomical, and social functions.

Archaeological evidence suggests that Stonehenge was used for burials and rituals over a long period of time. Numerous human remains have been found within the stone circles, including those of children and adults. Some of these remains show signs of disease or injury, such as broken bones and dental problems. The presence of these remains suggests that Stonehenge was a place of both life and death.

Stonehenge has been studied by many archaeologists over the years. In the 19th century, John Aubrey and Charles Barry conducted excavations at the site. In the early 20th century, Sir Arthur Evans and Sir William Flinders Petrie conducted further excavations. In the mid-20th century, Sir Cyril Fox and Dr. D. G. Hogarth conducted excavations. In the late 20th century, Dr. R. J. Atkinson and Dr. I. N. Morris conducted excavations. In the early 21st century, Dr. J. C. Thomas and Dr. M. J. Parker Pearson conducted excavations. These excavations have provided valuable information about the construction and use of Stonehenge.

Stonehenge is a UNESCO World Heritage Site and a major tourist attraction. It is also a popular subject for academic research and public interest. The study of Stonehenge continues to be an active field of research, with new discoveries and theories being made all the time.

# The interactive tool bar on every article provides access to all related resources : “EBooks, Magazines”



The screenshot shows the Encyclopædia Britannica Academic Edition homepage with a search bar containing "Stonehenge". Below the search bar, there are tabs for "RELATED TO" and "EBOOKS, PRIMARY SOURCES & MAGAZINES". The main content area displays a list of news articles under the heading "Magazines". The first few articles are:

- Stonehenge.** Contemporary Review, 2009
- STONEHENGE.** dig, October 2007
- Shepherd of Stonehenge.** Stone Soup, November 2007
- Solving Stonehenge: The Key to an Ancient Enigma.** Contemporary Review, 2009
- DIGGING UP STONEHENGE.** Current Events, April 14, 2008
- Solving Stonehenge.** History Today, July 2008
- 'Costy' Stonehenge tunnel scrapped.** New Civil Engineer, December 13, 2007
- Stonehenge visitor centre falls victim to coalition cuts in emergency budget.** Horticulture Week, July 2, 2010
- Tesco puts Stonehenge tunnel back on agenda.** New Civil Engineer, February 28, 2008
- Stonehenge link dropped.** Planning, December 14, 2007
- STONEHENGE VISITOR CENTRE DESIGN REVEALED.** Planning, October 16, 2009
- CULLINAN COULD MAKE COMEBACK AT STONEHENGE.** Architects' Journal, January 24, 2008
- Stonehenge plan unveiled.** Planning, October 9, 2009

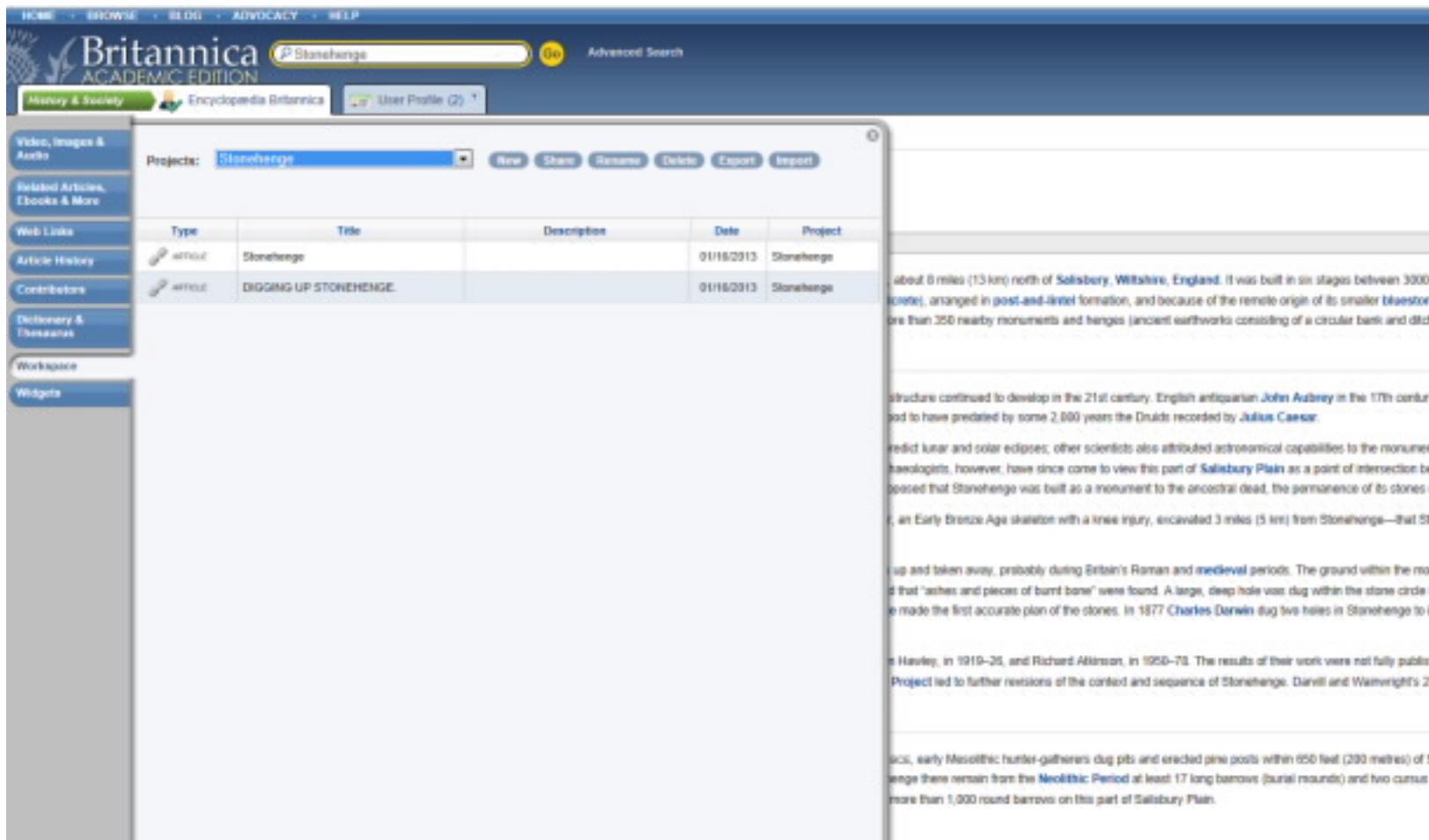
To the right of the magazine list, there is a detailed article summary about Stonehenge, mentioning its location, construction, and historical significance.

**Article history and contributors tools let you know when the article was updated and who updated it**

The screenshot shows the Britannica Academic Edition interface. The top navigation bar includes links for HOME, BROWSE, BLOG, ADVOCACY, and HELP. The main search bar contains the query "Stonehenge". Below the search bar are buttons for "Go" and "Advanced Search". The page title is "Britannica ACADEMIC EDITION". The left sidebar features a green navigation bar with tabs for History & Society, Encyclopedia Britannica, and User Profile (2). Other sidebar options include Video, Images & Audio, Related Articles, Ebooks & More, Web Links, Article History, Contributors, Dictionary & Thesaurus, Workspace, and Widgets. The main content area displays a table of article history entries for "Stonehenge". The table has columns for Type, Description, Contributor, and Date. The descriptions detail various edits made by different users between 2008 and 2012, such as adding photographs, media, and web links, and updating the article's content.

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# The interactive tool bar on every article provides access to all related resources : “Personal Workspace”



The screenshot shows the Encyclopædia Britannica Academic Edition interface. At the top, there's a navigation bar with links for HOME, BROWSE, BLOG, ADVOCACY, and HELP. Below the navigation is a search bar with the query "Stonehenge". To the right of the search bar are buttons for "Advanced Search" and "Go". The main content area displays the article "Stonehenge" with its title, subtitle ("DIGGING UP STONEHENGE"), date (01/18/2013), and project ("Stonehenge"). The article text discusses the history and construction of Stonehenge, mentioning John Aubrey, Julius Caesar, and Charles Darwin. On the left side, there's a sidebar with various links: History & Society, Encyclopedia Britannica, User Profile (2), Video, Images & Audio, Related Articles, Ebooks & More, Web Links, Article History, Contributors, Dictionary & Thesaurus, Workspace, and Widgets.

Type	Title	Description	Date	Project
article	Stonehenge		01/18/2013	Stonehenge
article	DIGGING UP STONEHENGE		01/18/2013	Stonehenge

# You can edit any encyclopedia article as the basis for your research

The screenshot shows a computer screen displaying the Encyclopædia Britannica article on Stonehenge. At the top, there is a navigation bar with links for 'WORKSPACE', 'EXIT', 'SAVE', 'PRINT', 'E-MAIL', and font size controls ('A-' and 'A+'). A search bar is located at the top left. A large text area contains the main content of the article, which describes Stonehenge as an archaeological site located on the Salisbury Plain, built in six stages between 3000 and 1520 BCE, featuring sarsen stones and bluestones. Below the main text, there is a section about the meaning and significance of the structure, mentioning John Aubrey and William Stukeley's beliefs. Further down, it discusses the astronomical capabilities of the monument and its use as a place of healing. The bottom of the page includes a note about the 20th-century excavations by Hawley and Atkinson, and a sidebar with links to related topics like Neolithic and Bronze Age Britain.

Archaeological site located on [Salisbury Plain](#), about 8 miles (13 km) north of [Salisbury](#), [Wiltshire](#), [England](#). It was built in six stages between 3000 and 1520 BCE, shaped [sarsen](#) stones (blocks of Cenozoic silcrete), arranged in post-and-lintel formation, and because of the remote origin of its smaller bluestones (igneous aning "stone hanging" or "gallows." Along with more than 350 nearby monuments and henges (ancient earthworks consisting of a circular bank and ditch), Stonehenge

was about the meaning and significance of the structure continued to develop in the 21st century. English antiquarian [John Aubrey](#) in the 17th century and his compatriot archaeologist [William Stukeley](#) in the 18th century both believed the structure served, however, as Stonehenge is now understood to have predated by some 2,000 years the Druids recorded by [Julius Caesar](#).

age had been constructed as a "computer" to predict lunar and solar eclipses; other scientists also attributed astronomical capabilities to the monument. Most of these speculations, too, have been rejected by experts. In 1973 English archaeologist [Barry Cunliffe](#) suggested that Stonehenge was built as a monument to the ancestral dead, the permanence of its stones representing the eternal afterlife.

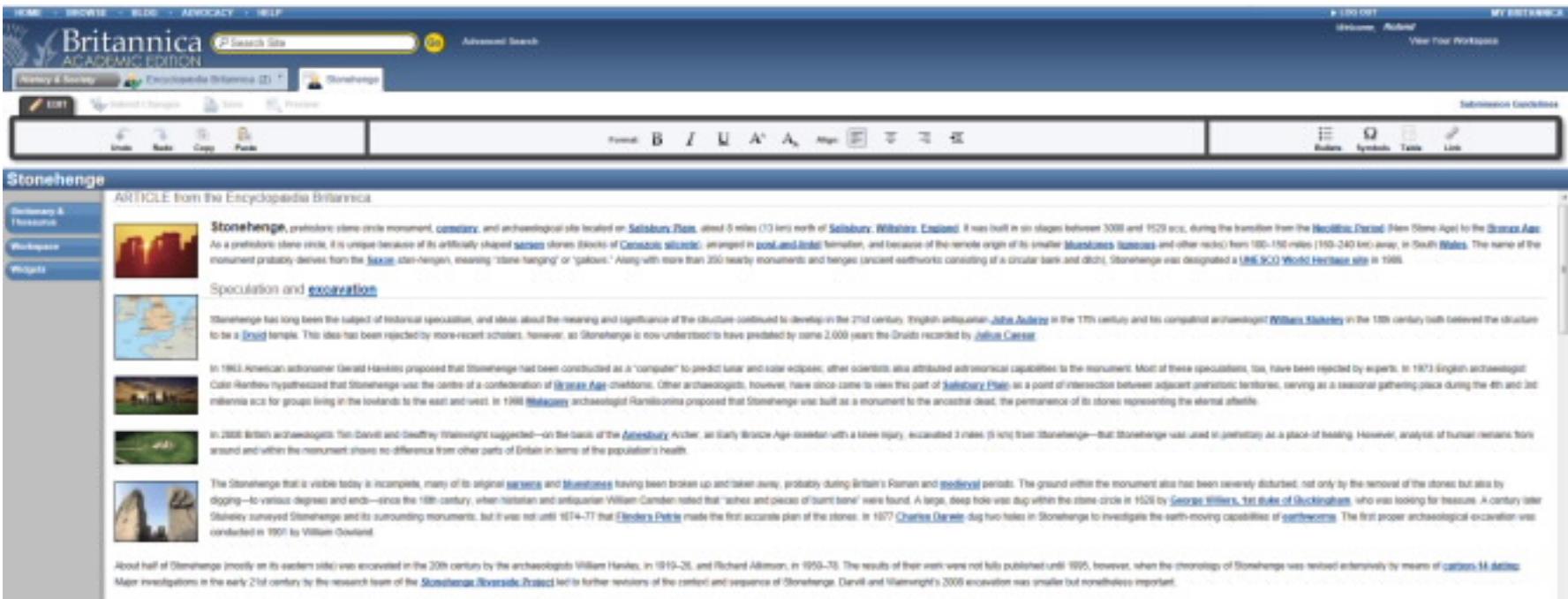
gested—on the basis of the [Amesbury Archer](#), an Early Bronze Age skeleton with a knee injury, excavated 3 miles (5 km) from Stonehenge—that Stonehenge was used in prehistory as a place of healing. However, analysis of human remains from of Britain in terms of the population's health.

sarsens and bluestones having been broken up and taken away, probably during Britain's Roman and medieval periods. The ground within the monument also has been severely disturbed, not only by the removal of the stones but also by [Roman](#) and [antiquarian](#) [William Camden](#) noted that "ashes and pieces of burnt bone" were found. A large, deep hole was dug within the stone circle in 1620 by [George Villiers](#), 1st duke of Buckingham, who was looking for treasure. A century later it was not until 1874–77 that [Fitzgerald Petrie](#) made the first accurate plan of the stones. In 1877 [Charles Darwin](#) dug two holes in Stonehenge to investigate the earth-moving capabilities of [earthworms](#). The first proper archaeological excavation

in the 20th century by the archaeologists [William Hawley](#), in 1919–26, and [Richard Atkinson](#), in 1950–78. The results of their work were not fully published until 1995, however, when the chronology of Stonehenge was revised extensively by means of a research team of the [Stonehenge Riverside Project](#) led to further revisions of the context and sequence of Stonehenge. [Danvill](#) and [Wainwright](#)'s 2008 excavation was smaller but nonetheless important.

Neolithic and Neolithic people. About 8000–7000 BCE, early Mesolithic hunter-gatherers dug pits and erected pine posts within 650 feet (200 metres) of Stonehenge's future location. It was unusual for prehistoric hunter-gatherers to build monuments, Europe. Within a 3-mile (5-km) radius of Stonehenge there remain from the Neolithic Period at least 17 long barrows (burial mounds) and two cursus monuments (long enclosures), all dating to the 4th millennium BCE. Between 2200 and 1700 BCE, Avebury was at the centre of a concentration of more than 1,000 round barrows on this part of Salisbury Plain.

# And save your work to your personal workspace



The screenshot shows the Encyclopædia Britannica Academic Edition homepage with a search bar and navigation menu. The main content area displays the article "Stonehenge". The article includes a thumbnail image of the stone circle, a section titled "Speculation and excavation", and a paragraph about its archaeological significance. The page has a blue header and sidebar, with a white main content area.

**Stonehenge**

ARTICLE from the Encyclopædia Britannica.

**Stonehenge**, prehistoric stone-circle monument, [cemetery](#), and archaeological site located on [Salisbury Plain](#), about 8 miles (13 km) north of [Salisbury](#), [Wiltshire, England](#). It was built in six stages between 3000 and 1500 b.c., during the transition from the [Neolithic Period](#) to the [Bronze Age](#). As a prehistoric stone circle, it is unique because of its artificially shaped [sarsen](#) stones (blocks of [Quartzite](#)), arranged in [post-and-lintel](#) formation, and because of the remote origin of its smaller [Bluestone](#) boulders and other rocks, from 180–150 miles (190–240 km) away, in [South Wales](#). The name of the monument probably derives from the [Saxon](#) *stan-hengen*, meaning “stone-hanging” or “gallows.” Along with more than 250 nearby monuments and henges (ancient earthworks consisting of a circular bank and ditch), Stonehenge was designated a [UNESCO World Heritage site](#) in 1986.

**Speculation and excavation**

Stonehenge has long been the subject of historical speculation, and ideas about the meaning and significance of the structure continued to develop in the 21st century. English antiquarian [John Aubrey](#) in the 17th century and his competitor archaeologist [William Stukeley](#) in the 18th century both believed the structure to be a [pagan](#) temple. This idea has been rejected by more-recent scholars, however, as Stonehenge is now understood to have predated by some 2,000 years the Druids recorded by [Julius Caesar](#).

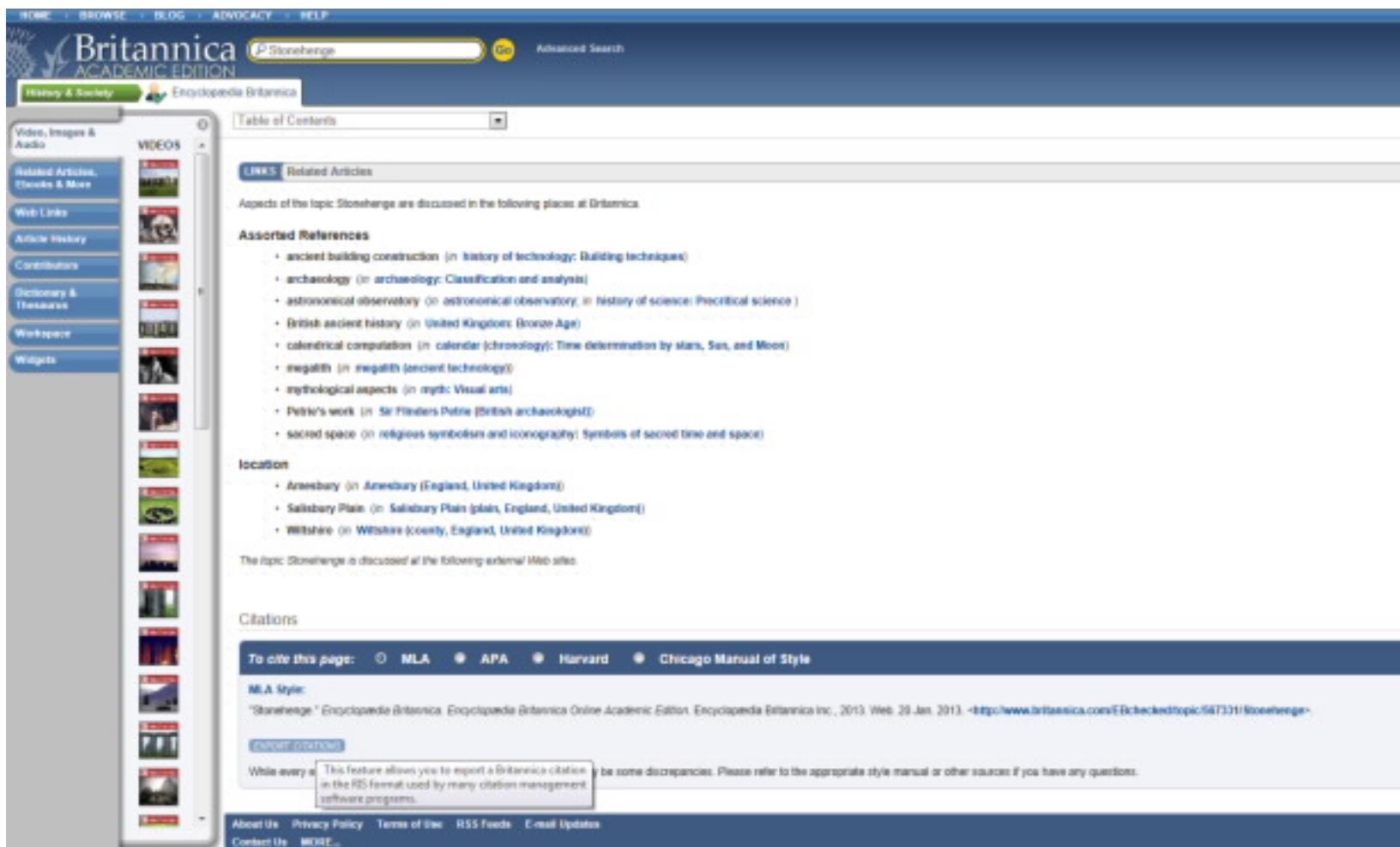
In 1863 American astronomer Edward Hawkins proposed that Stonehenge had been constructed as a “computer” to predict lunar and solar eclipses; other scientists also attributed astronomical capabilities to the monument. Most of these speculations, too, have been rejected by experts. In 1873 English archaeologist [Cecil Hartley](#) hypothesized that Stonehenge was the centre of a confederation of [Iron Age](#) chieftains. Other archaeologists, however, have since come to view this part of [Salisbury Plain](#) as a point of intersection between adjacent prehistoric territories, serving as a seasonal gathering place during the 4th and 3rd millennia b.c. for groups living in the lowlands to the east and west. In 1980 [Hungarian](#) archaeologist Róbert Horváth proposed that Stonehenge was built as a monument to the ancestral dead, the permanence of its stones representing the eternal afterlife.

In 2008 British archaeologists Tim Darvill and Geoffrey Wainwright suggested—on the basis of the [Antiquity](#) Archer, an Early Bronze Age individual with a knee injury, excavated 3 miles (5 km) from Stonehenge—that Stonehenge was used in prehistory as a place-of-healing. However, analysis of human remains from around and within the monument showed no difference from other parts of Britain in terms of the population’s health.

The Stonehenge that is visible today is incomplete, many of its original [sarsens](#) and [bluestones](#) having been broken up and taken away, probably during Britain’s Roman and [medieval](#) periods. The ground within the monument also has been severely disturbed; not only by the removal of the stones but also by digging—to various degrees and ends—since the 18th century, when historian and antiquarian William Camden noted that “stones and pieces of burnt bone” were found. A large, deep hole was dug within the stone circle in 1628 by [George Villiers](#), 1st duke of Buckingham, who was looking for treasure. A century later Stanley surveyed Stonehenge and its surrounding monuments, but it was not until 1814–77 that [Edmé Poter](#) made the first accurate plan of the stones. In 1877 [Charles Darwin](#) dug two holes in Stonehenge to investigate the earth-moving capabilities of [earthworms](#). The first proper archaeological excavation was conducted in 1901 by William Gowland.

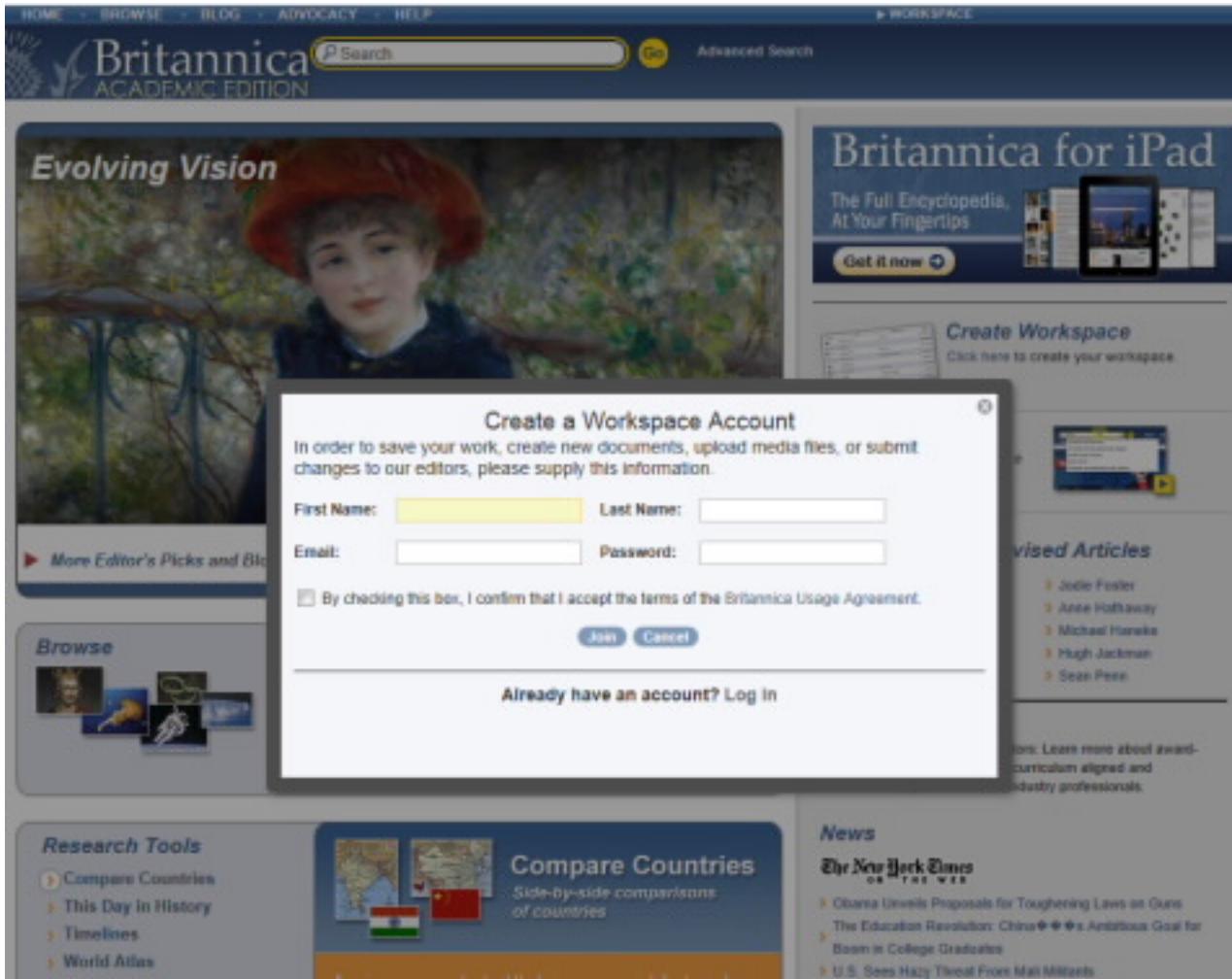
About half of Stonehenge (mostly on its eastern side) was excavated in the 20th century by the archaeologists William Hawley, in 1919–26, and Richard Atkinson, in 1950–76. The results of their work were not fully published until 1995, however, when the chronology of Stonehenge was revised extensively by means of [carbon-14 dating](#). Major investigations in the early 21st century by the research team of the [Stonehenge Riverside Project](#) led to further revisions of the context and sequence of Stonehenge. Darvill and Wainwright’s 2008 excavation was smaller but nonetheless important.

# .....Citation



The screenshot shows the search results for "Stonehenge" in the Encyclopædia Britannica Academic Edition. The search bar at the top contains "Stonehenge". Below the search bar, there's a "Table of Contents" dropdown menu. On the left, a sidebar lists various categories: Video, Images & Audio, Related Articles, Thesaurus & More, Web Links, Article History, Contributors, Dictionary & Thesaurus, Workspace, and Widgets. Under "VIDEOS", several thumbnail images of Stonehenge are shown. The main content area starts with a section titled "LINKS Related Articles" which lists various articles related to Stonehenge. Below this is a "Assorted References" section containing a list of topics such as ancient building construction, archaeology, astronomical observatory, British ancient history, calendrical computation, megalith, mythological aspects, Petrie's work, and sacred space. Further down is a "location" section listing Amesbury, Salisbury Plain, and Wiltshire. At the bottom, there's a "Citations" section with options to cite the page in MLA, APA, Harvard, or Chicago Manual of Style. A note about the citation feature states: "While every effort is made to ensure the accuracy of the information contained in this document, some discrepancies may occur. Please refer to the appropriate style manual or other sources if you have any questions." Navigation links at the bottom include About Us, Privacy Policy, Terms of Use, RSS Feeds, E-mail Updates, Contact Us, and MORE... .

# Creating Your Workspace



The screenshot shows the Encyclopædia Britannica Academic Edition homepage. A central modal dialog box is open, prompting the user to "Create a Workspace Account". The dialog includes fields for First Name, Last Name, Email, and Password, along with a checkbox for accepting the terms of the Britannica Usage Agreement. Below the dialog, a link says "Already have an account? Log In". The background features various sections: "Evolving Vision" with a painting of a woman in a red beret; "Britannica for iPad" advertising the full encyclopedia on mobile devices; "Create Workspace" with a call to action; "Editor's Picks and Blogs"; "Browse" with categories like "Books", "Art", and "Science"; "Research Tools" including "Compare Countries", "This Day in History", "Timelines", and "World Atlas"; "Compare Countries" with a side-by-side comparison of Hungary and China; and "News" from "The New York Times" with headlines about gun laws, college graduation rates, and mall thefts.

HOME ▾ BROWSE ▾ BLOG ▾ ADVOCACY ▾ HELP ▾ WORKSPACE

Britannica ACADEMIC EDITION

Search Go Advanced Search

Evolving Vision

Britannica for iPad

The Full Encyclopedia At Your Fingertips

Get it now

Create Workspace

Click here to create your workspace

More Editor's Picks and Blogs

Browse

Compare Countries

Compare Countries

Side-by-side comparisons of countries

News

The New York Times

Obama Unveils Proposals for Toughening Laws on Guns

The Education Revolution: China's Ambitious Goal for Boom in College Graduates

U.S. Sees Hazy Threat From Mall Thieves

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By checking this box, I confirm that I accept the terms of the Britannica Usage Agreement.

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Editor's Picks and Blogs

Books Art Science

Compare Countries

This Day in History Timelines World Atlas

vised Articles

1. Jodie Foster

2. Anne Hathaway

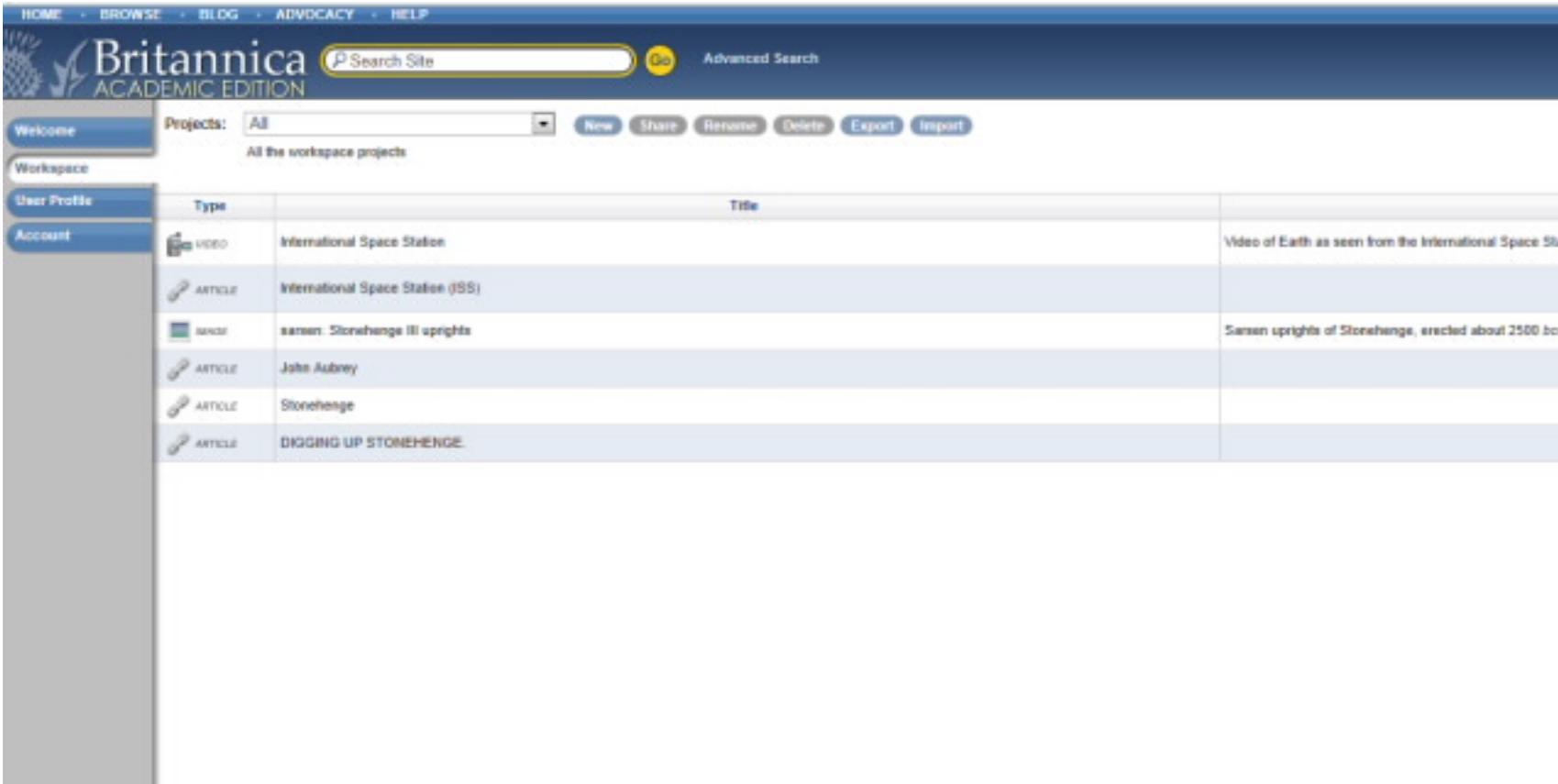
3. Michael Fassbender

4. Hugh Jackman

5. Sean Penn

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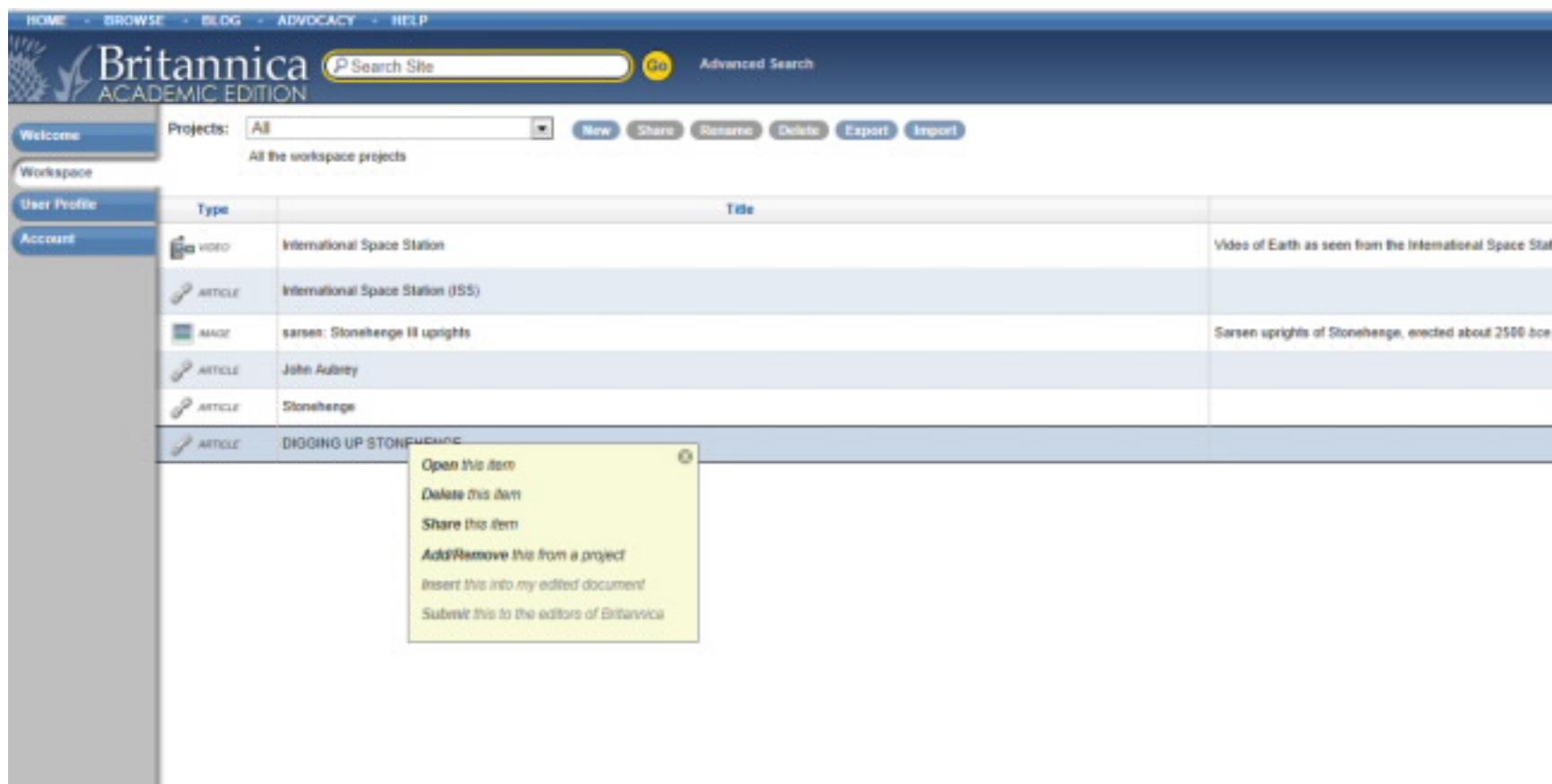
# The Workspace tool is designed to let you store, retrieve, and share media and data



The screenshot shows the Britannica Academic Edition workspace interface. The top navigation bar includes links for HOME, BROWSE, BLOG, ADVOCACY, and HELP. The main header features the Britannica logo and a search bar with a "Search Site" input field, a "Go" button, and a "Advanced Search" link. A secondary search bar below it allows filtering by project type ("All", "New", "Share", "Rename", "Delete", "Export", "Import"). The left sidebar has buttons for Welcome, Workspace, User Profile, and Account (which is currently selected). The main content area displays a table of workspace projects:

Type	Title	Description
VIDEO	International Space Station	Video of Earth as seen from the International Space Station
ARTICLE	International Space Station (ISS)	
IMAGE	sarsen: Stonehenge III uprights	Sarsen uprights of Stonehenge, erected about 2500 BCE,
ARTICLE	John Aubrey	
ARTICLE	Stonehenge	
ARTICLE	DIGGING UP STONEHENGE	

# You can name your projects and share them with other people



The screenshot shows the Britannica Academic Edition workspace interface. The top navigation bar includes links for HOME, BROWSE, BLOG, ADVOCACY, and HELP. A search bar with a yellow 'Go' button and an 'Advanced Search' link is present. On the left, a sidebar features links for Welcome, Workspace, User Profile, and Account (which is selected). The main workspace displays a list of projects under the heading 'All'. The columns are Type, Title, and Description. The items listed are:

Type	Title	Description
VIDEO	International Space Station	Video of Earth as seen from the International Space Station
ARTICLE	International Space Station (ISS)	
IMAGE	sarsen: Stonehenge III uprights	Sarsen uprights of Stonehenge, erected about 2500 bce.
ARTICLE	John Aubrey	
ARTICLE	Stonehenge	

A context menu is open over the 'DIGGING UP STONEHENGE' article, listing options: Open this item, Delete this item, Share this item, Add/Remove this from a project, Insert this into my edited document, and Submit this to the editors of Britannica.

Double click on any word to activate the Dictionary,  
clicking on the red speaker will pronounce the word

*know for sure*

## Other Features & Tools - View Demos



The screenshot displays the Britannica Academic Edition homepage. At the top, there is a search bar with the placeholder "Search" and a "Go" button. Below the search bar, the main content area features a large image of a whale with the title "Cetaceans A Capella". To the right of the main image, there is a sidebar for "Britannica for iPad" with a "Get it now" button and a thumbnail image. The main content area also includes sections for "Create Workspace", "View Demos" (which is highlighted with an oval), and "Selected New & Revised Articles". The "Research Tools" section contains links to "Compare Countries", "This Day in History", "Timelines", "World Atlas", and "World Data Analyst". The "Compare Countries" tool is shown with a preview of two countries' flags and a brief description. The footer of the page includes a "Spotlights" section and several small thumbnail images.

## View Demos.....

	<b>Homepage</b> Darcy discusses Homepage features.		<b>Sidebar Tabs</b> Melinda discusses Sidebar Tabs.
	<b>Research Tools</b> Corey talks about Research Tools.		<b>Workspace Introduction</b> Jennifer discusses Dashboard and Workspace.
	<b>Autocomplete</b> Mary describes Autocomplete features.		<b>Workspace Detail</b> Ian explains Workspace in detail.
	<b>Search Results</b> Andy discusses Search Results .		<b>Workspace Changes</b> Rosaline discusses changes in Workspace.
	<b>Directed Search</b> Carmen talks about Directed Search.		<b>Browse</b> Wendell discusses Browse features.
	<b>Atlas</b> Kara discusses Atlas.		<b>Widgets and Dictionary</b> John talks about Widgets.

## Other Features & Tools - Select Newly Revised Articles



The screenshot shows the Encyclopædia Britannica Academic Edition homepage. At the top, there's a search bar with a magnifying glass icon and a "Go" button. Below the search bar, the main content area features a large image of a whale with the title "Cetaceans A Capella". To the right of the whale image, there's an advertisement for "Britannica for iPad" with a "Get it now" button. Below the whale image, there's a "More Editor's Picks and Blog Posts" link. On the left side, there's a "Browse" section with icons for books, maps, and other media, and a list of categories: A-Z, Biographies, Contributors, Ebooks & Primary Sources, Extended Play Videos, Magazines, Media Collection, Quotations, and Subjects. In the center, there's a "Research Tools" section with links to Compare Countries, This Day in History, Timelines, World Atlas, and World Data Analyst. To the right of the research tools, there's a "Compare Countries" tool with a description: "A unique geography tool that gives you quick facts and statistics as well as flags, maps, recent events, and related Web sites on any two countries side-by-side." At the bottom left, there's a "Spotlights" section with several small images. On the right side, there's a circular callout highlighting the "Selected New & Revised Articles" section, which lists articles such as Lance Armstrong, Boeing Company, John Fetterman, Anne Hathaway, and Michael Haneke. Below this, there's a "School Zone Library Site" section for librarians and teachers, and a "News" section with links to The New York Times and BBC News.

**Selected New & Revised Articles**

- ▶ Lance Armstrong
- ▶ Boeing Company
- ▶ John Fetterman
- ▶ Anne Hathaway
- ▶ Michael Haneke

## Other Features & Tools – Daily Headlines



The screenshot displays the Encyclopædia Britannica Academic Edition homepage. At the top, there's a search bar with a magnifying glass icon and a "Go" button, along with links for "HOME", "BROWSE", "BLOG", "ADVOCACY", and "HELP". A "WORKSPACE" link is also present.

The main content area features a large image of a whale with a play button overlay, labeled "Cetaceans A Capella". Below this, there's a section for "Editor's Picks and Blog Posts" with a "More Editor's Picks and Blog Posts" link.

On the left, there's a "Browse" section with icons for "Books", "A-Z", "Biographies", "Contributors", "Ebooks & Primary Sources", and "Extended Play Videos". To its right are links for "Magazines", "Media Collection", "Quotations", and "Subjects".

A "Research Tools" section includes links for "Compare Countries", "This Day in History", "Timelines", "World Atlas", and "World Data Analyst". It also features a "Compare Countries" tool with a side-by-side comparison of India and China, and a "Spotlights" section with various images.

The right side of the page contains a "Britannica for iPad" section with a "Get It now" button and a "Create Workspace" section with a "Click here to create your workspace" link. There's also a "View Demos" section with a "Click here to view demos of site features" link and a "Selected New & Revised Articles" section listing recent updates.

At the bottom, there's a "School and Library Site" section for librarians, teachers, and administrators, followed by a "News" section featuring headlines from "The New York Times" and "BBC NEWS".

# Other Research Tools.....

**Browse**



- › A-Z
- › Biographies
- › Contributors
- › Ebooks & Primary Sources
- › Extended Play Videos
- › Media Collection
- › Quotations
- › Subjects

**Compare Countries**  
*Side-by-side comparisons of countries*



A unique geography tool that gives you quick facts and statistics as well as flags, maps, recent events and related Web sites on any two countries side-by-side.

**This Day in History**  
*Find selected biographies and historical events*



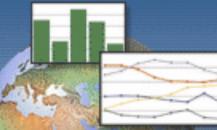
Browse by day to find a selection of people that were born and events that occurred on that day. Click through to the encyclopedia article to learn more about each subject.

**Timelines**  
*Explore knowledge through time*



Interactive timelines arrange information chronologically by subject area, including art, daily life, ecology, literature, medicine, music, religion, science, sports, technology, and more. Drill down from the timeline to more detailed information.

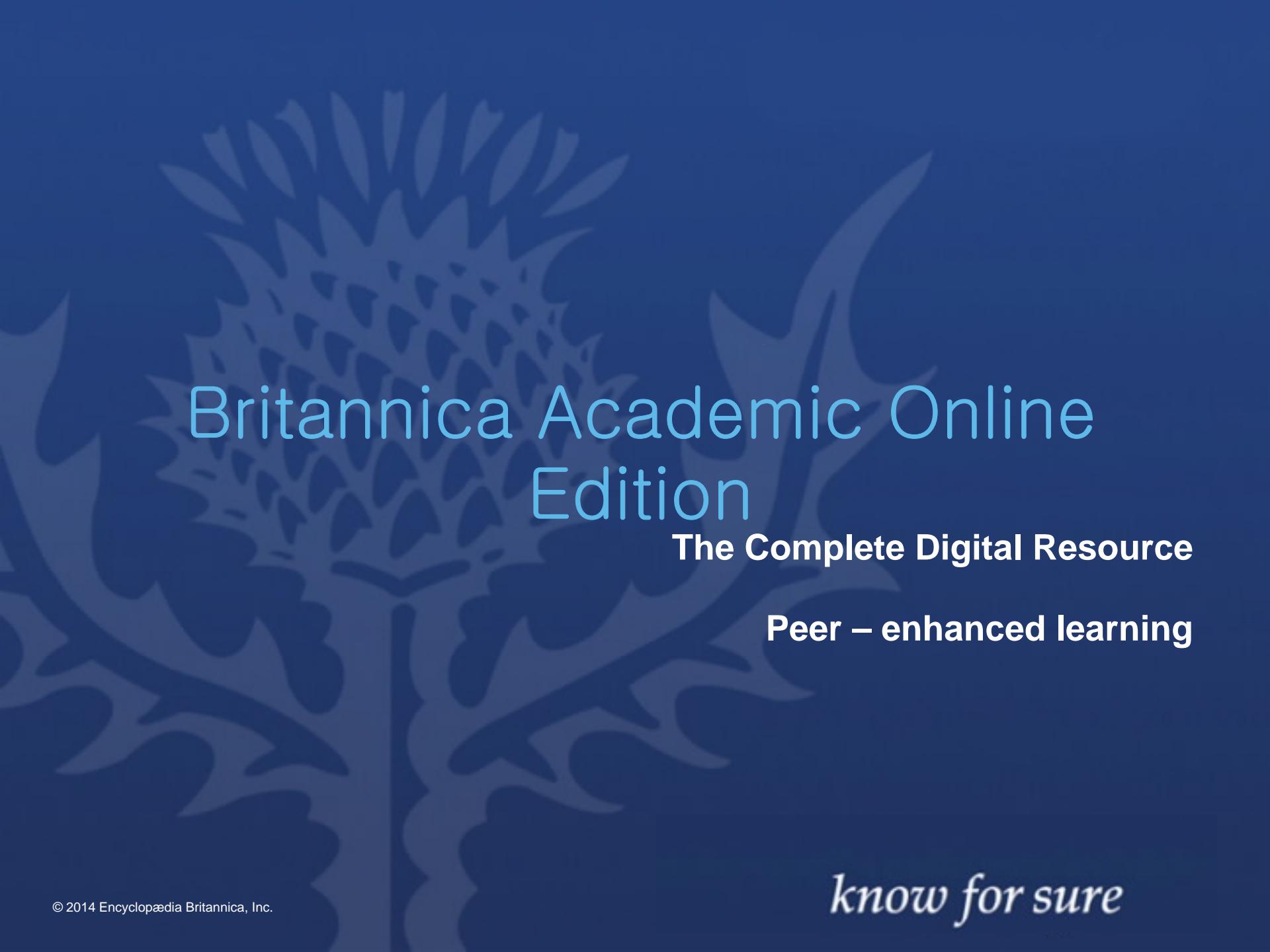
**World Data Analyst**  
*Quick and detailed country statistics*



Comprehensive statistics on every nation of the world. Perform statistical comparisons between countries or explore changes over time. Results can be placed in charts and graphs or be easily exported to a spreadsheet.

## Why Britannica.....

- Articles are written by expert contributors and advisors.
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- Safe environment for users to do internet research.
- Sites do not allow advertising or other promotions.
- Content is structured and organised to meet user's needs.
- Promotes information literacy by providing a range of sources such as magazines, selected internet sites, and primary source documents
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