

Searching the Internet for Seminar Materials

5CLIR Presentation
By Larry Ambs
June 2022

General Search Engines

- What makes one search engine's database different from another?
 - Contents
 - Size
 - Ranking/relevance algorithm
- Most search engines can be integrated with internet browsers
- *In most cases you may select the default Search Engine used*
- *Google, Yahoo!, Bing, and DuckDuckGo all offer address bar capability*

Search Engines:

Google www.google.com

Yahoo! www.yahoo.com

Bing www.bing.com

DuckDuckGo www.duckduckgo.com

Wikipedia www.Wikipedia.org

Ask www.ask.com

In this presentation I will be using the Google search engine

- Google Search is a full-text and most-used search engine which uses a computerized spider/robot to index million of pages on the web.
- The search results are generally presented in a list of results and the information may consist of web pages, images, videos and other types of files.

I will also describe other Google search apps

- Google Video

<https://www.google.com/videohp>

- Google Maps <https://maps.google.com/m>

- Google Images <https://images.google.com/>

- Google Books <https://books.google.com/>

- Advanced Google Searching

https://www.google.com/advanced_search

- Google Scholar <https://scholar.google.com/>

Basic search techniques

- Analysis of your topic/question is crucial before entering into the search exercise.
- The analysis of your topic/question should lead you to obtain subject headings and terms to be searched.
- Describe what you need with as few terms as possible.
- The broader the terms, the greater are the chances of getting both information relevant and irrelevant
- Narrower terms usually give fewer result but most relevant

Basic search conditions

- Search is always cAsE **insensitive**.
- Search operators **are** case sensitive:
- Generally, all the words you put in the query will be used.
- Words that are commonly used, like '**the**' '**a**' '**which**' '**when**' '**for**' '**of**' and '**alike**' are usually ignored.
- A search engine is not a human, it is a program that matches the words you give to pages on the web.

Simplify Your Searching

- Type in lower case.
 - Google ignores capitalization in most cases.
- Leave out punctuation.
 - Some punctuation marks are actually search commands that alter search results.
- No need to connect terms with **AND**, Google always tries to find all search terms.
- Enter search terms in the singular forms.
 - Google should automatically search for all endings of words, both singular and plural.



Identify Main Concepts of Search Topic

- Take a moment to define the information you need to find.
 - E.g., I need credible information about **ancient cities of the world**.
- Write down the two or more main aspects of your topic.
 - **cities**
 - **ancient**
 - **settlements**
 - **archaeology**

To search, enter **google search** in browser window or enter the address **<https://www.google.com/webhp>**

The Google logo is displayed in its characteristic multi-colored font: 'G' is blue, 'o' is red, 'o' is yellow, 'g' is blue, 'l' is green, and 'e' is red.

 ancient cities settlements archaeology 

Google Search

I'm Feeling Lucky



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The persistence of ancient settlements and urban sustainability

by ME Smith · 2021 · Cited by 11 — **Settlements** (cities, towns, villages) are locations with two key attributes: They frame human interactions and activities in space, and they are wher...

People also ask

Do archaeologists study ancient cities?



What is a city Archaeology?



What is the oldest city ever found?



What was the first settlement in the world?



Feedback

<https://www.nature.com> > news

'Mind blowing' ancient settlements uncovered in the Amazon

May 26, 2022 — Mysterious mounds in the southwest corner of the Amazon Basin were once the site of **ancient** urban **settlements**, scientists have discovered.

To improve your search, you may use Boolean operators

- Information searching in most databases is based on the principle of Boolean logic (the logic of relationship among terms)
- (**AND**, **OR**, or **NOT**)
- Boolean operators improve search result by broadening, narrowing and excluding search results
- Boolean operators must be capitalized.

AND operator (+)

- **AND** operator tends to narrow a search and make it focused. The more concepts combined in a search with **AND** logic, the fewer records will be retrieved.
- For example, search for LIDAR studies in Guatemala **AND** Yucatan

In most cases using **AND** does not significantly improve the search results



LIDAR guatemala AND yucatan



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<https://www.nationalgeographic.com/history/article>

Laser Scans Reveal Maya "Megalopolis" Below Guatemalan ...

Feb 1, 2018 — Laser technology known as LiDAR digitally removes the forest canopy to reveal ancient ruins below ...

<https://www.esri.com/about/newsroom/blog/lida...>

Lidar Images Show Mayan Civilization in a New Light - Esri

Nov 17, 2020 — The dense jungles of Guatemala have yielded Mayan sites for decades, but it took lidar to unlock the scale and sophistication of ...

People also ask

How does LiDAR explore ancient cities in Guatemala?



How were the 60000+ Mayan sites connected?



Which is older Mayan or Olmec?



What has been discovered with LiDAR?



Use **OR** to Broaden Search

- Connecting keywords with **OR** retrieves results using the search terms on either side of the **OR**.
- Excellent strategy to retrieve results for synonyms or terms that are closely related in meaning.
- Brings together the results for both search terms into one big set.
- **OR** must be capitalized.



(m * smith) archaeology OR anthropology



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[Michael E. Smith - ASU iSearch](#)

Sep 1, 2021 — Research Areas. • Mesoamerican archaeology and ethnohistory: Specialist in Aztecs and Teotihuacan. • Comparative urbanism: Premodern ...

<http://www.public.asu.edu> › CV-MES-ToPost [PDF](#) ⋮

[Michael E. Smith - Arizona State University](#)

Sep 15, 2014 — Research Areas. • Mesoamerican archaeology and ethnohistory: Specialist in Aztecs and Postclassic Central Mexico.

<https://www.amazon.in> › Anthropology-M-Ruth-Smith ⋮

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[Geoffrey M. Smith | Anthropology - University of Nevada, Reno](#)

Geoffrey M. Smith has worked in the Intermountain West since 2001 and primarily focus on the archaeology Pleistocene-Holocene transition.

<https://anthro.ucla.edu> › Faculty ⋮

[Monica L. Smith - UCLA Department of Anthropology](#)

Aug 18, 2020 — I describe myself as an ancient economic historian who utilizes archaeological data to analyze the collective effects of routine activities ...

Use * to Fill in the Blank

- Use * to fill in the blank, if an intervening word is unknown or may change.



(avian OR bird) (flu OR influenza) "charles * smith"

Search

Web Scholar

Results 1 - 10 of about 12,100 for (avian OR bird) (flu OR influenza) "charles * smith"

Scholarly articles for (avian OR bird) (flu OR influenza) "charles * smith"



Evolution of human influenza A viruses in nature: ... - Young - Cited by 37

How infectious diseases got left out—and what this ... - Francis - Cited by 12

Structure-based identification of an inducer of the ... - Hoffman - Cited by 32

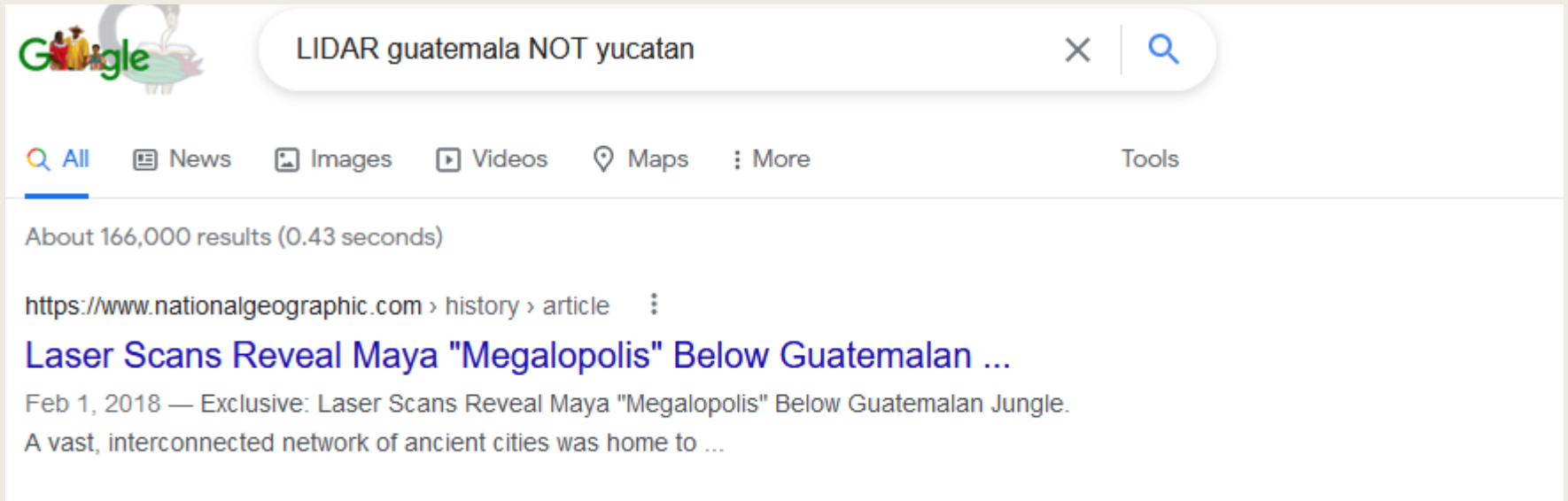
charles hugh smith - Corruption and **Avian Flu**: China's Dynamic Duo ...

Now, those same sectors are tasked with controlling the H5N1 **avian flu** virus. Unsurprisingly, counterfeit **bird flu** vaccines are being distributed, ...

www.oftwominds.com/blogs/China-flu.html - 8k - [Cached](#) - [Similar pages](#)

Exclude Terms from Search with **NOT**

- Put the **NOT** immediately before the search term to exclude it.



The screenshot shows a Google search interface. The search bar contains the text "LIDAR guatemala NOT yucatan". Below the search bar, there are navigation options: "All", "News", "Images", "Videos", "Maps", "More", and "Tools". The search results show "About 166,000 results (0.43 seconds)". The first result is from "https://www.nationalgeographic.com > history > article" and is titled "Laser Scans Reveal Maya 'Megalopolis' Below Guatemalan ...". The snippet below the title reads: "Feb 1, 2018 — Exclusive: Laser Scans Reveal Maya 'Megalopolis' Below Guatemalan Jungle. A vast, interconnected network of ancient cities was home to ...".

Enclose Each Concept in Parentheses

- Use parentheses to enclose the search terms for each concept.
 - (ancient cities)
- Google searches for the terms within the parentheses first before combining with terms outside the parentheses.



(ancient cities) settlements archaeology



All



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About 25,400,000 results (0.43 seconds)

<https://www.worldhistory.org> > city

The Ancient City - World History Encyclopedia

Apr 5, 2014 — The first cities which fit both Chandler's and Wirth's definitions of a `city' (and, also the early work of the archaeologist Childe) developed ...

<https://www.discovermagazine.com> > planet-earth > whi...

Which Ancient City Is Considered the Oldest in the World?

Aug 28, 2020 — Archaeologists still debate which city came first — let alone how to ... But a few settlements offer illuminating views of early urban life.

<https://www.sciencenews.org> > article > ancient-urban-...

Ancient 'megasites' may reshape the history of the first cities

Feb 19, 2020 — Megasites were cities like no others that have ever existed, says archaeologist John Chapman of Durham University in England. For decades, ...

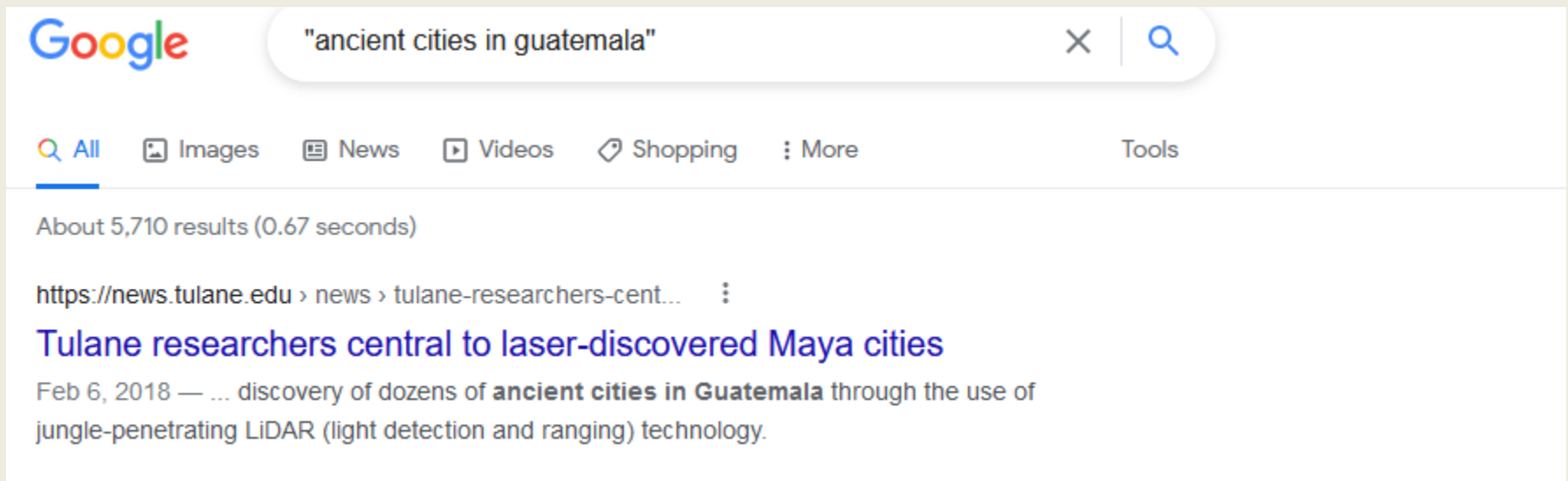
<https://www.nature.com> > news

'Mind blowing' ancient settlements uncovered in the Amazon

May 26, 2022 — Mysterious mounds in the southwest corner of the Amazon Basin were once the site of ancient urban settlements, scientists have discovered.

Use " " for Exact Phrase Searching

- Surrounding phrases with quotation marks keeps the words together in this exact order.
- Particularly useful for names, concepts or titles involving multiple words.
 - "ancient cities in Guatemala"



The image shows a Google search interface. The search bar contains the text "ancient cities in Guatemala" in quotes. Below the search bar, there are navigation options: All, Images, News, Videos, Shopping, More, and Tools. The search results show "About 5,710 results (0.67 seconds)". The first result is a news article from Tulane University, titled "Tulane researchers central to laser-discovered Maya cities", dated Feb 6, 2018. The snippet describes the discovery of dozens of ancient cities in Guatemala using LiDAR technology.

Google

"ancient cities in Guatemala" × | 🔍

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<https://news.tulane.edu/news/tulane-researchers-cent...> ⋮

Tulane researchers central to laser-discovered Maya cities

Feb 6, 2018 — ... discovery of dozens of **ancient cities in Guatemala** through the use of jungle-penetrating LiDAR (light detection and ranging) technology.

In contrast without the exact phrasing



ancient cities in guatemala



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10 Most Fascinating Mayan Ruins in Guatemala

1. Tikal[SEE MAP]
2. Yaxha[SEE MAP] ...
3. Iximche[SEE MAP] ...
4. El Mirador[SEE MAP] ...
5. Quirigua[SEE MAP] ...
6. Uaxactun[SEE MAP] ...
7. Nakum[SEE MAP] ...
8. Zaculeu[SEE MAP] ...



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<https://www.touronia.com> > Travel Guides > Guatemala

Retrieve Documents with Certain Filetypes

- To limit search results to a certain file type, place the command **filetype:** immediately before the file extension, with no space.
- Commonly used and useful file extensions:
 - **pdf**: Portable Document Format, good for finding handouts
 - **xls**: Excel, useful for finding data sets
 - **jpg, gif, png, tif**: Various filetypes for images
 - **ppt**: To find PowerPoint presentations.



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The archaeological study of neighborhoods and districts in ...

by ME Smith · 2010 · Cited by 240 — In this paper, I present a conceptual framework for the archaeological analysis of residential zones and their social characteristics in ancient cities...
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The persistence of ancient settlements and urban sustainability

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Origins and Development of Urbanism: Archaeological ... - jstor

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- Limit the search to a particular type of Web site with command **site:** followed by the domain type.
- Sites published by government (**site:gov**), educational (**site:edu**) or non-profit organizations (**site:org**) are generally good places to look for credible information.
- Alternatively, **exclude** commercial sites using
 - immediately before the domain
- **-site:com**

Google Advanced Search

- When you don't find what you're seeking, consider specifying more accurately what you want by using Google's Advanced Search feature. Don't be worried by the name "Advanced Search"; it's easy to use, and it allows you to select or exclude pages with more precision than Google's standard search box.



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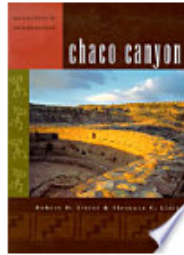
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Chaco Canyon: Archaeology and Archaeologists

Robert Hill Lister, Florence Cline Lister · 1981

This lavishly illustrated book is the first complete account of Chacoan archaeology, from the discovery of the ruins by Spanish soldiers in the seventeenth century through the scientific analyses of the 1970s.

Preview

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The Archaeology of Chaco Canyon
in Its Regional Context

Edited by Stephen H. Lekson



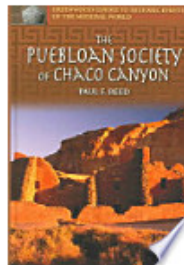
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The Archaeology of Chaco Canyon: An Eleventh-century Pueblo ...

Stephen H. Lekson · 2006 · Snippet view

In this capstone volume, the contributors address central archaeological themes, including environment, organization of production, architecture, regional issues, and society and polity.

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The Puebloan Society of Chaco Canyon

Paul F. Reed · 2004

The Chaco Canyon Puebloan Native American society flourished between 950 and 1150 C.E., and then vanished, leaving only a remarkable archaeological record behind.

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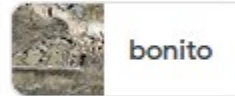
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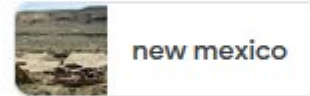
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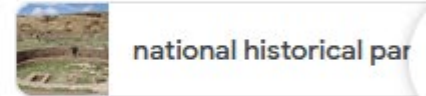
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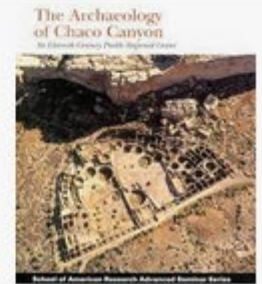
national historical park



Chaco Canyon Archaeology Expedition ...
blog.girlscouts.org



Chaco Culture National Historical Park ...
en.wikipedia.org



The Archaeology of Chaco Canyon ...
sarweb.org



The Ethical Battle Over Ancient DNA ...
sapiens.org



Ancestral people of Chaco Canyon likely ...
heritagedaily.com



When The Gambler Came To Chaco - Th...
archaeologicalconservancy.org



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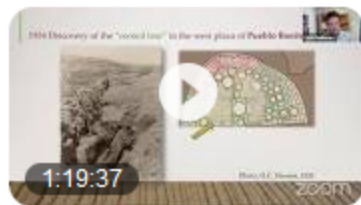


The history of Southwestern **archaeology**, **Chaco Canyon**, and the University of New Mexico are deeply intertwined, largel...

UNM Anthropology · UNM · Dec 16, 2017

www.crowcanyon.org > resources > tracing_the_origins_...

Tracing the Origins of Chacoan Beams, from Chaco Canyon to ...



Without extensive forests near **Chaco Canyon**, the question of where the timbers originated has perplexed **archaeologists** f...

Crow Canyon Archaeological Center · Crow Canyon Archaeological Center · Sep 17, 2021



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Richard Wetherill

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Cultural identity and the **archaeological** construction of ... - Wills - Cited by 59

The Architecture of **Chaco Canyon**, New Mexico - Lekson - Cited by 41



Chaco Canyon archaeology

An Eleventh-Century Pueblo Regional Center. Edited by Stephen H. Lekson. The site of a great Ancestral Pueblo center in the 11th and 12th centuries AD, the ruins in Chaco Canyon look like a city to some archaeologists, a ceremonial center to others.

<https://sarweb.org> > the-archaeology-of-chaco-canyon

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WH Wills - Journal of **Archaeological Method and Theory**, 2009 - Springer

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Agriculture and community in **Chaco Canyon**: Revisiting Pueblo Alto

WH Wills, WB Dorshow - Journal of Anthropological **Archaeology**, 2012 - Elsevier

... narrative of **Chaco's** rise and fall is simply inferred from either the historical record of **canyon** ... derived from actual **archaeological** studies of farming in **Chaco Canyon**. Many researchers ...

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Agriculture and community in Chaco Canyon: Revisiting Pueblo Alto

W.H. Wills*, Wetherbee Bryan Dorshow

Department of Anthropology, University of New Mexico, Albuquerque, NM 87131, United States

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Received 3 October 2011

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Keywords:

American Southwest

Chaco Canyon

Great house communities

Farming

Pueblo Alto

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ABSTRACT

The Bonito Phase (ca. AD 860–1140) in Chaco Canyon is widely recognized as one of the primary sources of information about emergent social complexity in prehispanic North America. Large masonry buildings called “great houses,” such as Pueblo Bonito, are iconic symbols of the rapid rise of a powerful society based on the ability to harness labor to prolonged construction projects. It is clear that the political forces at work during the Bonito Phase had an agricultural foundation, presumably in the financing of construction through food surpluses, but the actual nature of farming in Chaco is surprisingly opaque to archaeologists. Indeed, many researchers have concluded that farming in Chaco Canyon was too constrained by poor soils to have supported the dynamic developments associated with the massive stone structures and extensive trade systems of the Bonito Phase. The popular perspective that Chaco was mysterious or enigmatic is largely a response to this view of the canyon as agriculturally marginal. In this study we argue that a predictive model of potential agricultural productivity that includes other portions of the canyon besides the floodplain indicates that Chaco was not marginal for farming. The results of this analysis suggest that great house communities may have been sited to control local production zones and that some great houses may have been linked to others in order to manage multiple agricultural areas.

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Cultural Identity and the Archaeological Construction of Historical Narratives: An Example from Chaco Canyon

W. H. Wills 

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Abstract

The Bonito Phase (ca. AD 850 to 1140) in Chaco Canyon, New Mexico, is widely assumed by archeologists to reflect the growth and decline of a coherent sociopolitical entity, one of the classic examples of emergent social complexity among ancient indigenous North American populations ending in a societal collapse. This understanding of Chaco is based, in part, on the interpretation of temporal changes in material culture as intentional efforts to maintain cultural identity and continuity in the face of social disruption. In this study, I suggest that the Bonito Phase actually encompassed at least one major episode of cultural discontinuity, calling into question the perception of a distinct “Chaco society.” Instead, patterns of material production in Chaco point to multiple cultural identities linked to serial reoccupation of the canyon.

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