


use your up/down arrow keys and/or
your space bar to advance the slides

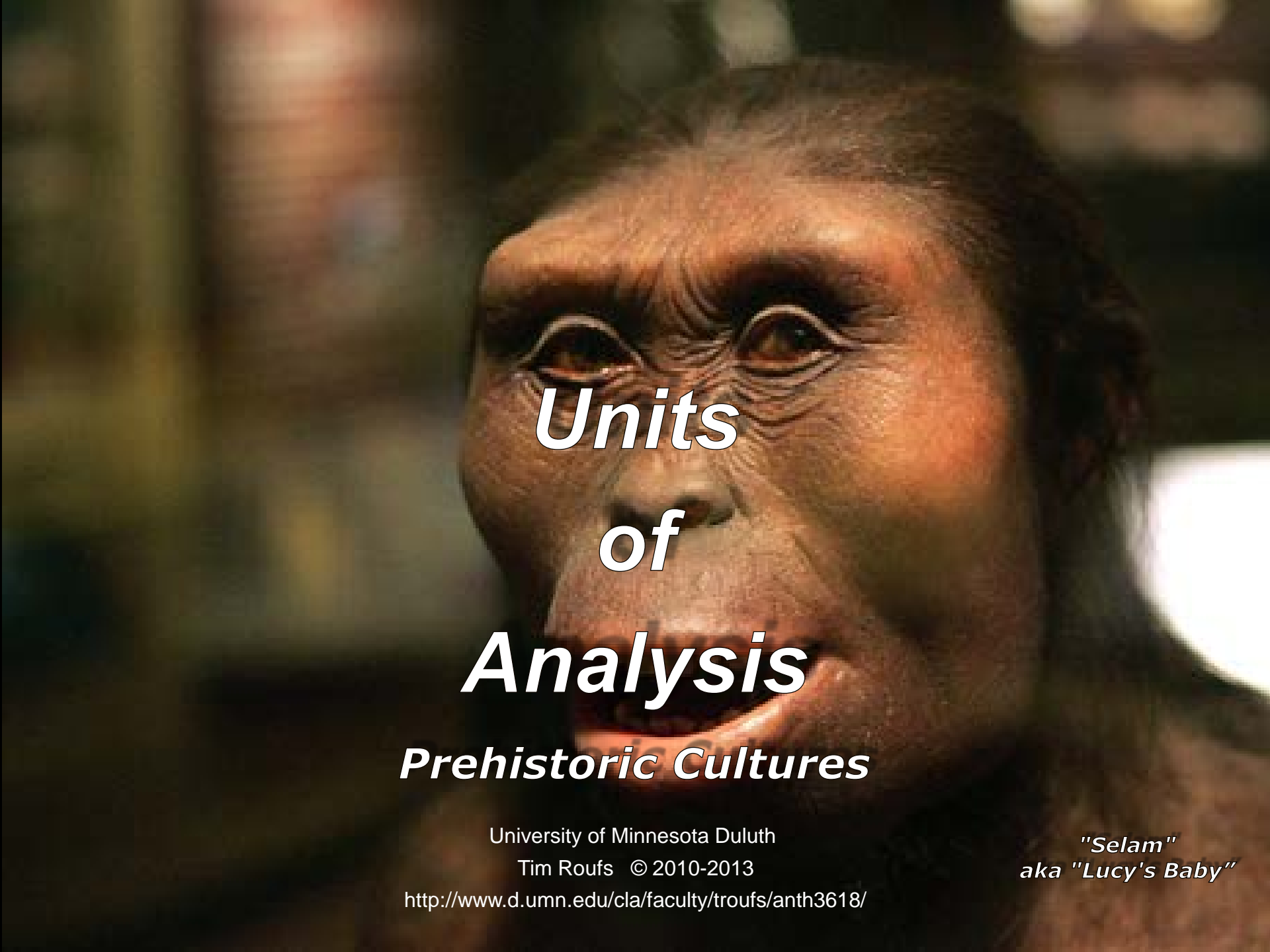


Units of Analysis

Prehistoric Cultures

University of Minnesota Duluth
Tim Roufs © 2010-2013
<http://www.d.umn.edu/cla/faculty/troufs/anth3618/>

"Selam"
aka *"Lucy's Baby"*



Units of Analysis

Prehistoric Cultures

University of Minnesota Duluth
Tim Roufs © 2010-2013
<http://www.d.umn.edu/cla/faculty/troufs/anth3618/>

"Selam"
aka "Lucy's Baby"

**when you are looking at
anthropological works
— or social science works in general —
it is important to pay attention
to what “units of analysis” are
being considered**

. . .

**in the “Main Characteristics of
Anthropology” review it is
noted that one of the defining
characteristics of
Anthropology is that it tends
to be comparative**

■ ■ ■

**in comparative works it is
especially important to check
to see that the units of
analysis are comparable**

. . .

**and if you utilize a comparative
approach in your project,
or in extra credit reports
— or in your exam questions —
you need to be especially
careful to compare like units**

. . .

so lets have a look at
Units of Analysis

as mentioned in the “Orientation”

units of analysis may include:

- one person**
- the family**
- the community**
- a region**
- a “culture area”**
- a culture / “subculture”**
- a nation**
- an item or action itself**
- a “cultural metaphor”**

as mentioned in the “Orientation”
units of analysis may include:

–one person

- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”
- a nation
- an item or action itself
- a “cultural metaphor”

“units of analysis” may include:

–one person

for e.g. . . .

[to top of page](#) / [A&Z index](#)

The Iceman

["Ötzi"]



"Feb. 25, 2011 — Brown-eyed, bearded, furrow faced, and tired, this is how Ötzi the iceman might have looked, according to the latest reconstruction based on 20 years of research and investigations." — [Discover/News](#) (25 February 2011)

Examine the Iceman

In 1991 the frozen body of a man who lived 5,300 years ago emerged from a melting glacier in the Alps.



Sixteen years after he was discovered, scientists are still learning about a 5,000-year-old Neolithic hunter found in the Alps. Research now suggests the Iceman (or "Ötzi"), was murdered. Naturally mummified, Ötzi's brain, eyes, and internal organs were intact when excavated. Ötzi's time is now spent in an ice chamber which is at the same humidity and temperature level as where he was found.

INITIAL THEORIES ON HIS DEATH: Ötzi was first thought to be a shepherd or a hunter who was caught in a storm and died of exposure. Another theory suggested he was ritually sacrificed in the mountains.

LATEST THEORY: Cuts on the Iceman's hand and wrist suggest that he fought with members of his village and then fled. The attackers shot an arrow into Ötzi as he rested on a mountain. Researchers now say uncontrolled bleeding and head trauma killed him.

Click the hot spots on this image to see clues about the Iceman's life.

[↑ to top of page / A-Z index](#)



Panel from the back
of the golden throne
of King Tut

Tutankhamun

"King Tut"

Under Construction
Sorry for the Inconvenience



map of Egypt

[enlarged map](#)
from *The World Factbook*

[Lonely Planet Map](#)

[see also](#)

[Egypt, Ancient](#)

[Egypt, contemporary](#)

[ancient civilizations](#)
[Archaeology Web Sites](#)

[↑ to top of page / A-Z index](#)



This is the face
behind the famous golden death mask
of King Tutankhamun



The Kennewick Man



reconstruction
by Jim Chatters and Thomas
McClelland

see also
Who were the First Americans?
Clovis traditions
Paleo-Indians
The Kennewick Man
Video: "Coming to America"



Joyce Bergen, 1999

Kennewick Man -- Wikipedia



ILLUSTRATION FOR TIME BY RAUL COLON

[↑](#) to top of page / [A-Z index](#)



"Gibraltar I"

Reconstruction of a ca. four-year-old Neandertal"

[PBS](#)

Macchu Picchu
(Across the Divide Expeditions)



"La Doncella"

Mummified Inca maiden wows crowds
Friday, 7 September 2007 -- BBC News

NATIONAL GEOGRAPHIC NEWS

REPORTING YOUR WORLD DAILY

Thursday, September 10, 2003

[MAIN](#) [ANIMAL NEWS](#) [ANCIENT WORLD](#) [ENVIRONMENT NEWS](#) [CULTURES NEWS](#) [SPACE/TECH NEWS](#) [WEIRD](#)

[PHOTOS](#) [VIDEOS](#)

Genghis Khan a Prolific Lover, DNA Data Implies

Hillary Mayell
for National Geographic News
February 14, 2003

Genghis Khan, the fearsome Mongolian warrior of the 13th century, may have done more than rule the largest empire in the world; according to a recently published genetic study, he may have helped populate it too.

An international group of geneticists studying Y-chromosome data have found that nearly 8 percent of the men living in the region of the former Mongol empire carry y-chromosomes that are nearly identical. That translates to 0.5 percent of the male population in the world, or roughly 16 million descendants living today.

 [Printer Friendly](#)
 [Email to a Friend](#)

The spread of the chromosome could be the result of natural selection, in which an extremely fit individual manages to pass on some sort of biological advantage. The



LATEST PHOTO NEWS

[NEW HUBBLE PICTURES: First Shots From Upgraded Orbiter](#)



LATEST VIDEO NEWS

[Flash Flood Traps Motorists on Roofs](#)

Most Viewed News

LATEST PHOTOS IN THE NEWS



[SPACE PHOTOS THIS WEEK: Milky Way Twin, "Exomoon," More](#)



[PHOTOS: Giant Ocean-Trash Vortex Documented--A First](#)



[NEW MOON PHOTO: Apollo 12 Site Seen With Craft, Prints](#)



map

N!ai, the Story of a !Kung Woman



(59 min., 1980, VC 2371)

"Arranged Marriages": an excerpt from *N!ai, the Story of a !Kung Woman*

(10 min., 1980, VC 182)

(26 min., 1980, VC 182)

Other Hunting and Gathering Peoples

[Hunter-gatherer](#) -- Wikipedia

[Bushmen](#) -- Wikipedia

[!Kung people](#) -- Wikipedia

[Khoisan](#) -- Wikipedia

Focusing on the individual as a unit of analysis was advocated in anthropology by early pioneers such as . . .

Oscar Lewis

Bronislaw Malinowski

Edward Sapir

(“Sapir-Whorf” hypothesis)

Margaret Mead

as mentioned in the “Orientation”
units of analysis may include:

- one person

- the family**

- the community

- a region

- a “culture area”

- a culture / “subculture”

- a nation

- an item or action itself

- a “cultural metaphor”

Afar region ([map of Ethiopia](#))

- *afarensis* (including "Lucy" and the "First Family")

Australopithecus afarensis -- Wikipedia



Australopithecus afarensis
National Geographic photo gallery -- "Seleni"

3-Million-Year-Old Skeleton Gets CT Scan -- NPR (2009-02-07)

Puzzling Over Pre-Humans -- MSNBC (10/6/08)

Lucy and "The First Family"

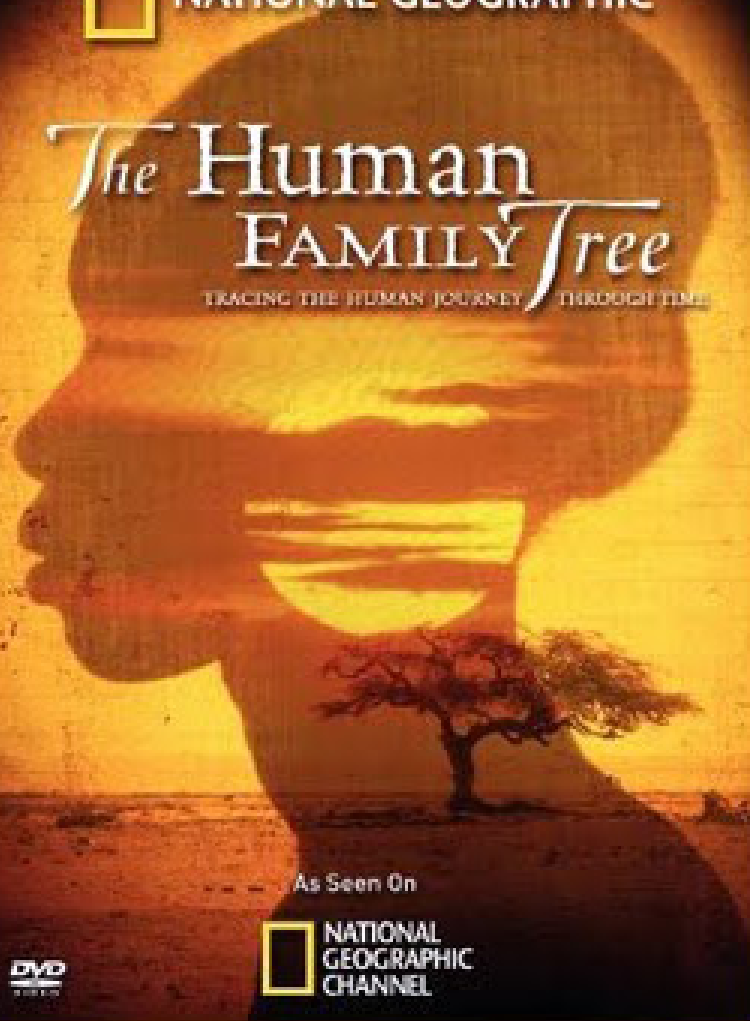




NATIONAL GEOGRAPHIC

The Human FAMILY *Tree*

TRACING THE HUMAN JOURNEY THROUGH TIME

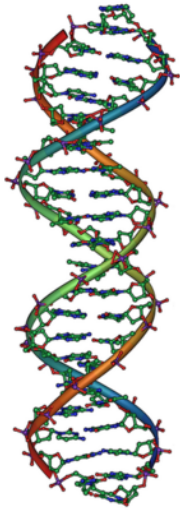


As Seen On



NATIONAL
GEOGRAPHIC
CHANNEL

DVD
VIDEO



DNA, the molecular basis for inheritance. Each strand of DNA is a chain of nucleotides, matching each other in the center to form what look like rungs on a twisted ladder.
[Wikimedia](#)

The Genographic Project

National Geographic

see also
Genetics
"Out of Africa"

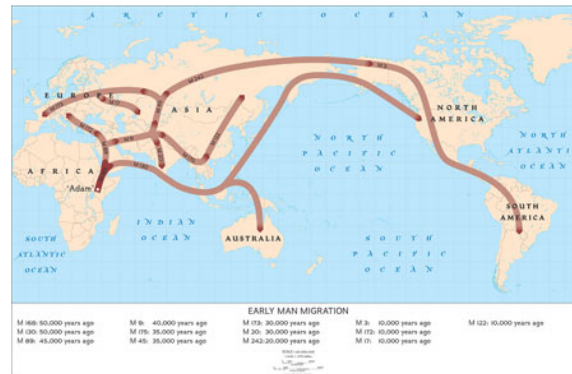
Wikipedia:
genetics

The Genographic Project

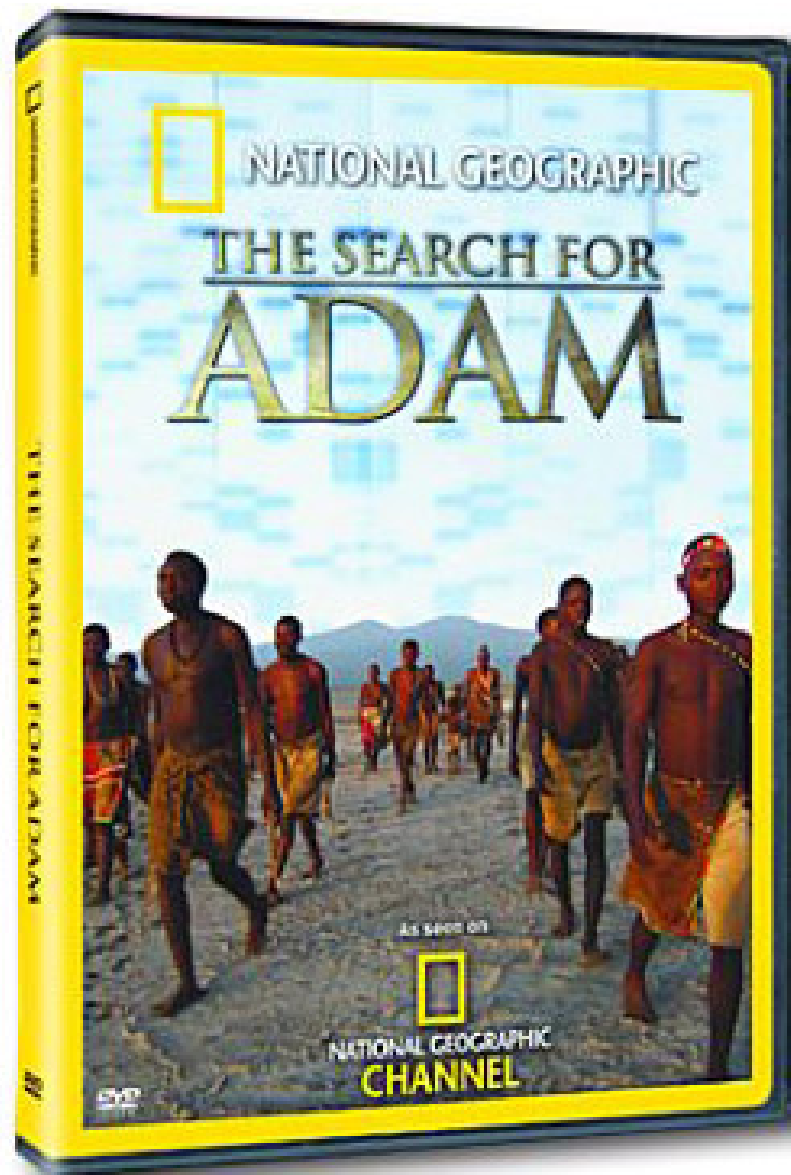
search genetics on JSTOR
search "The Genographic Project" on JSTOR



Travelling by helicopter and army tank, Spencer Wells visited the Arctic Circle to meet the nomadic Chukchi.
[National Geographic](#)



"In the grip of an Ice Age, the Earth's temperature dropped, locking the world's moisture into giant glaciers and bringing intense drought to Saharan Africa. As herds of thirsty animals wandered northeast off the African continent searching for water, human hunters, our ancestors, followed."



NATIONAL GEOGRAPHIC

THE SEARCH FOR ADAM

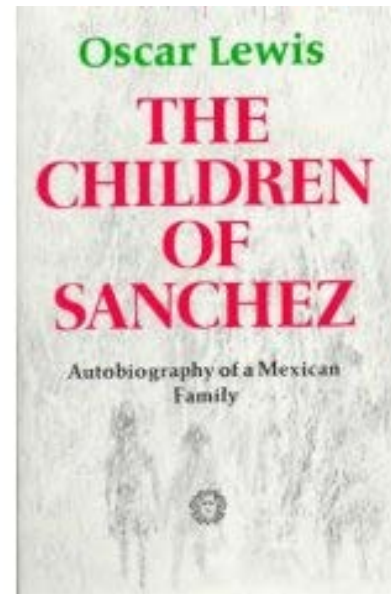
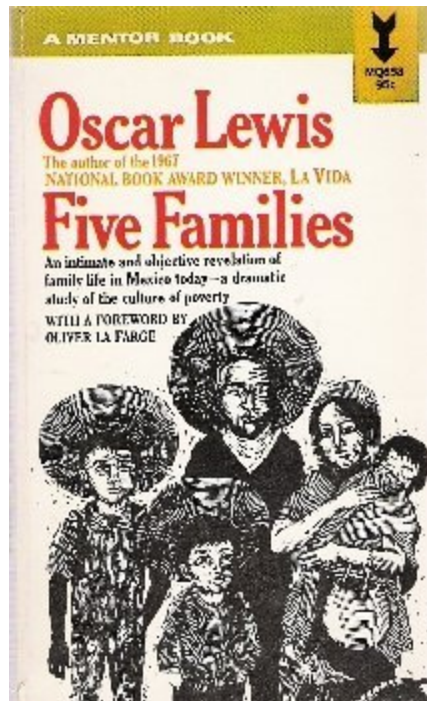
AS SEEN ON



NATIONAL GEOGRAPHIC
CHANNEL

DVD

Oscar Lewis



as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family

–the community


- a region
- a “culture area”
- a culture / “subculture”
- a nation
- an item or action itself
- a “cultural metaphor”

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family

–the community

**in archaeology
the comparable unit
to the “community”
is the
“site”**



WIKIPEDIA
The Free Encyclopedia

navigation

- [Main page](#)
- [Contents](#)
- [Featured content](#)
- [Current events](#)
- [Random article](#)

search

[Go](#) [Search](#)

interaction

- [About Wikipedia](#)
- [Community portal](#)
- [Recent changes](#)
- [Contact Wikipedia](#)
- [Donate to Wikipedia](#)
- [Help](#)

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)


Wikipedia is sustained by people like you. Please [donate](#) today.

[Try Beta](#) [Log in / create account](#)

[article](#) [discussion](#) [edit this page](#) [history](#)

Olduvai Gorge

From Wikipedia, the free encyclopedia

Coordinates:  [2°59'S 35°21'E](#)

The **Olduvai Gorge** or **Oldupai Gorge** is commonly referred to as "The Cradle of Mankind." It is a steep-sided [ravine](#) in the [Great Rift Valley](#), which stretches along [eastern Africa](#). Olduvai is in the eastern [Serengeti Plains](#) in northern [Tanzania](#) and is about 30 miles (48 km) long. The gorge is named after the [Maasai](#) word for the wild sisal plant *[Sansevieria ehrenbergii](#)*, commonly called Oldupai.


Contents [\[hide\]](#)

- 1 [Geology and paleontology](#)
- 2 [Other uses](#)
- 3 [References](#)
- 4 [See also](#)
- 5 [External links](#)


Geology and paleontology

Olduvai Gorge is one of the most important prehistoric sites in the world and has been instrumental in furthering understanding of early [human evolution](#).

Chasing a fancy butterfly in the green wilds of [Tanganyika](#) 50 years ago, a German [entomologist](#) named (Wilhelm) Kattwinkel tumbled off a rocky ledge and nearly killed himself. When he regained his senses, he found himself in an anthropologist's dream world: an erosion-created rift with layer after layer of



Olduvai Gorge, February 2006



one of the best-known archaeological sites in the world

**in some regions there are a
lot of sites**

**in some regions there are a
lot of sites**

**there are more than
12,000
archaeological sites
in modern-day Mexico
alone
for e.g.**

Major Archaeological Sites of Mesoamerica

This map illustrates the distribution of major archaeological sites across Mesoamerica, from Mexico to Central America. Key sites are marked with symbols: triangles for pyramids, squares for major urban centers, and circles for smaller sites. The map includes labels for major cities like Mexico City, Guatemala City, and Tikal, as well as numerous archaeological sites such as Teotihuacan, Chichen Itza, and Palenque. The map also shows the borders of Mexico, Guatemala, and Honduras, and the Gulf of Mexico to the east.

Teotihuacán: The City of the Gods

27 min., 2002, DVD 121



Teotihuacán, Mesoamerican Photo Archives -- ©David R. Hixson

[↑](#) to top of page / A-Z index

Teotihuacán HomePage

[Abstract](#)

[Terms / Concepts](#)

[Notes](#)

[Cultures](#)

[Sites](#)

[Individuals](#)

[Bibliography /](#)

including some of the largest sites in the world

Chichén Itzá: At the Mouth of the Well

27 min., 2002, DVD 108



The Observatory
(Edward Dwyer)

and some of those considered “most sacred”

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community

–a region

- a “culture area”
- a culture / “subculture”
- a nation
- an item or action itself
- a “cultural metaphor”

Early Neolithic sites of the Fertile Crescent



© 2000 Wadsworth Publishing Company/ITP

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community

–a region

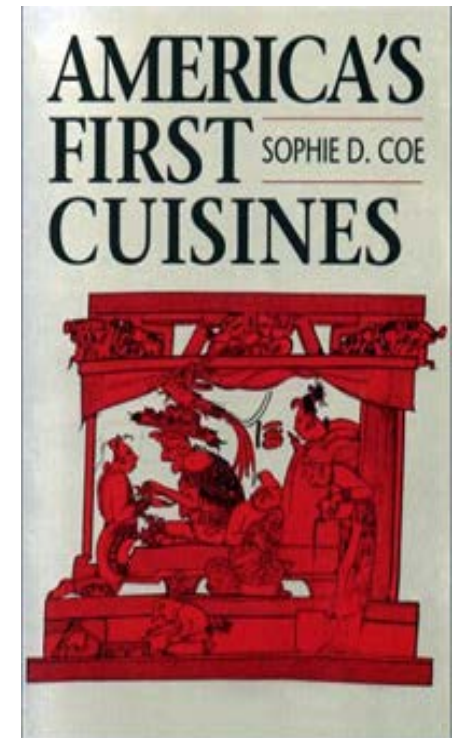
- **Valley of Mexico**
- **Soconusco**
- **El Bajío**
- **Huasteca**
- **Yucatán. . .**

As mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community

–a region

- Valley of Mexico
- **Soconusco**
(Xoconusco)
- El Bajío
- Huasteca
- Yucatán...



**the Xoconusco region played a central role
in chocolate, which played a key role in
prehistoric and post-contact Mesoamerica**



UNIVERSITY OF MINNESOTA DULUTH

Ancient Middle America

UND Home > CLA > Sociology-Anthropology > Anthropology > Tim Roufs > Ancient Middle America

Search | People | Departments | Events | News

Week: 01 . 02 . 03 . 04 . 05 . 06 . 07 . 08 . 09 . 10 . 11 . 12 . 13 . 14 . 15 . 16

Fall 2008 Calendar

jackinthebox.com shop

Cutting Costs for College Textbooks
general textbook information

Mesoamerica -- Wikipedia
Pre-Hispanic Mesoamerica -- Wikipedia

search Mesoamerica on JSTOR

Course Information Course Topics Maps Useful Web Sites

Tehuacán

Teotihuacán

the Tehuacán region was one of the greatest centers of plant domestication in the world

Find: te

UNIVERSITY OF MINNESOTA DULUTH

Ancient Middle America

Search | People | Departments | Events | News

UMD Home > CLA > Sociology-Anthropology > Anthropology > Tim Roufs > Ancient Middle America



A - Z

search links

BBC News: Americas

search Mesoamerica on JSTOR

Course Information Course Topics Maps Useful Web Sites

 **Tehuacán** 

Teotihuacán

NOTE:

Tehuacán is different from Teotihuacán

the Tehuacán region was one of the greatest centers of plant domestication in the world

Find: te

and Tehuacán is one of the best places in the world to look at to understand the “agricultural revolution”



**and it's likely where your bottled water
came from if you purchased bottled water
in Mexico**

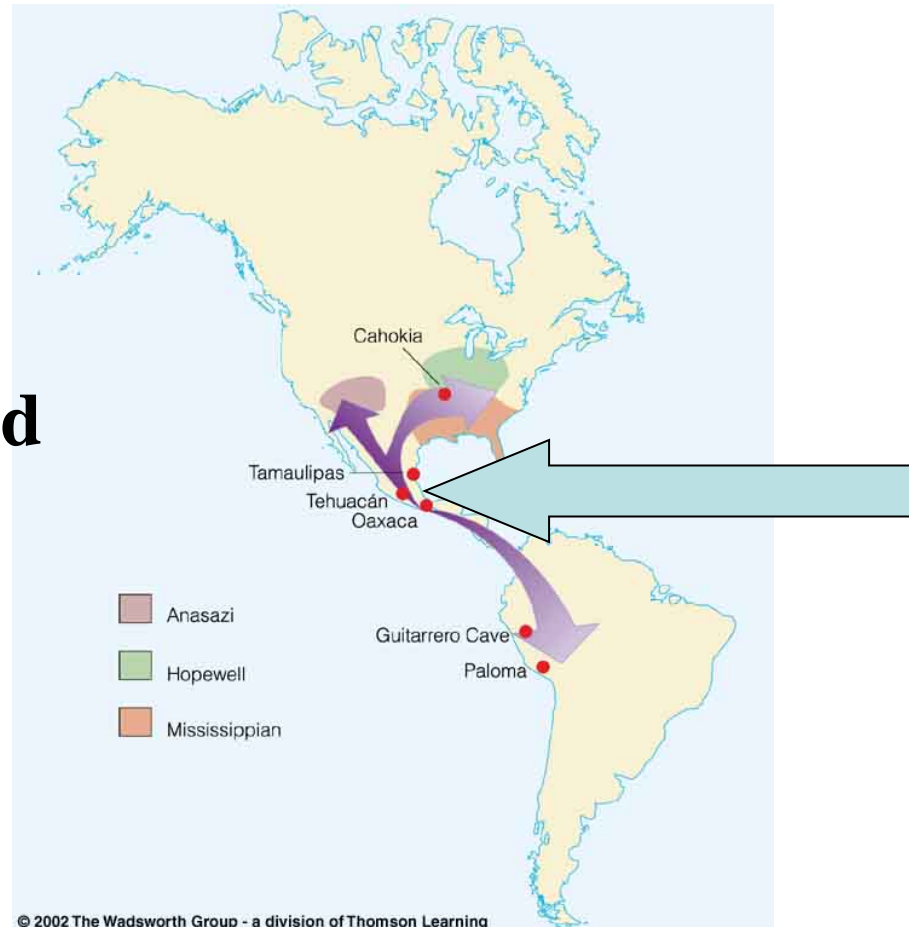


as mentioned, Tehuacán is it one of the best places
in the world to look at to understand the
“agricultural revolution”



Tehuacán Valley, Puebla, Mexico

**maize was
domesticated
here by at
least
4,200 ybp**



NOTE:

he **nation** of South Africa
is different from
the **region** of
South Africa

A map of the southern part of the African continent. The countries in this region are highlighted in green, while the rest of the continent is shown in a light grey color. The green area includes South Africa, Lesotho, Swaziland, Botswana, Zimbabwe, Mozambique, and parts of Namibia and Angola.

**“South Africa”
is the *region* of
“southern Africa”**



“South Africa”
is the ***region*** of
“southern Africa”

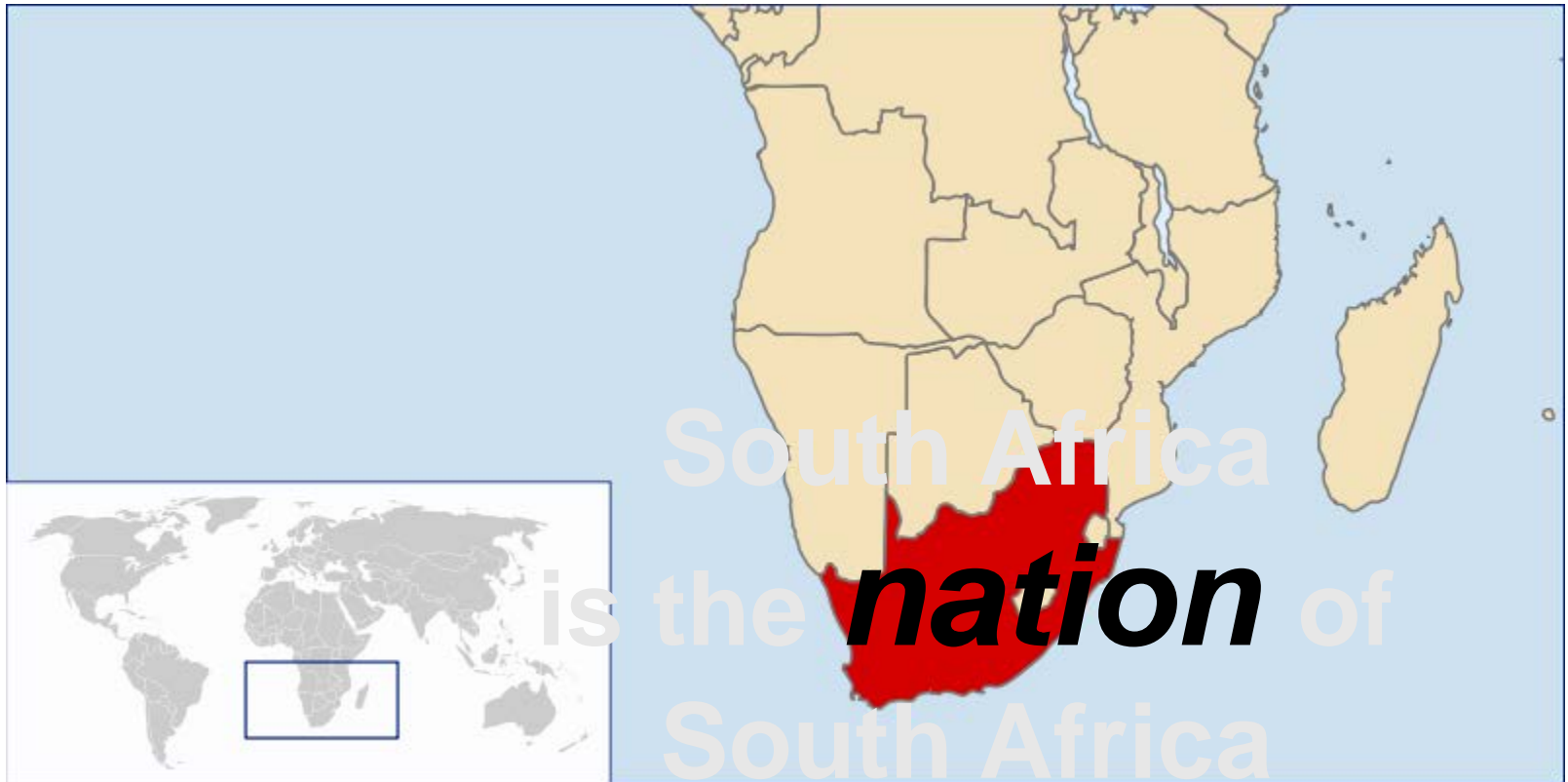
http://en.wikipedia.org/wiki/Southern_Africa

NOTE:

he **nation** of South Africa
is different from
the **region** of
South Africa

South Africa
is the *nation* of
South Africa





as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region

–a “culture area”



- a culture / “subculture”
- a nation
- an item or action itself
- a “cultural metaphor”

**some areas are “officially”
anthropological
“cultural areas” . . .**

http://eclectic.ss.uci.edu/~drwhite/worldcul/atlas.htm

Ethnographic Atlas by George P. Murdock

Ethnographic Atlas by George P. Murdock



Ethnographic Atlas [On-Line Tabulations](#), by Michael Fischer

The Ethnographic Atlas is a database on 1167 societies coded by George P. Murdock and published in 29 successive installments in the journal ETHNOLOGY, 1962-1980. It gives [ethnographic codes](#) and geographical coordinates but no actual maps (maps were later added by the [World Cultures](#) electronic journal's MAPTAB program, by Douglas R. White, along with an electronic version of the codes and the codebooks). A summary volume of the Atlas was published by the University of Pittsburgh Press in 1967. It contained the data on 862 of the better-described societies in each of 412 cultural clusters of the world. Murdock published a new edition with Pittsburgh Press in 1980 titled ATLAS OF WORLD CULTURES, and included 563 of the better-described societies in the atlas, classified in 150 more

linguistically based clusters



Wednesday, September 13, 2006

start | Inbox for troufs... | Ethnographic Atla... | Tim Roufs, Univer... | Cultural Anthro... | Macromedia Drea... | units_of_analysis... | 8:27 AM

http://eclectic.ss.uci.edu/~drwhite/worldcul/atlas.htm

Ethnographic Atlas by George P. Murdock

Ethnographic Atlas by George P. Murdock



Ethnographic Atlas [On-Line Tabulations](#), by Michael Fischer

The Ethnographic Atlas is a database on 1167 societies coded by

**those “culture areas” were initially established by
George P. Murdock and associates
and are commonly associated with
HRAF
(the Human Relations Area Files)
and its
*World Ethnographic Atlas***

linguistically based clusters

Wednesday, September 13, 2006

start | Inbox for troufs... | Ethnographic Atla... | Tim Roufs, Univer... | Cultural Anthro... | Macromedia Drea... | units_of_analysis... | 8:27 AM

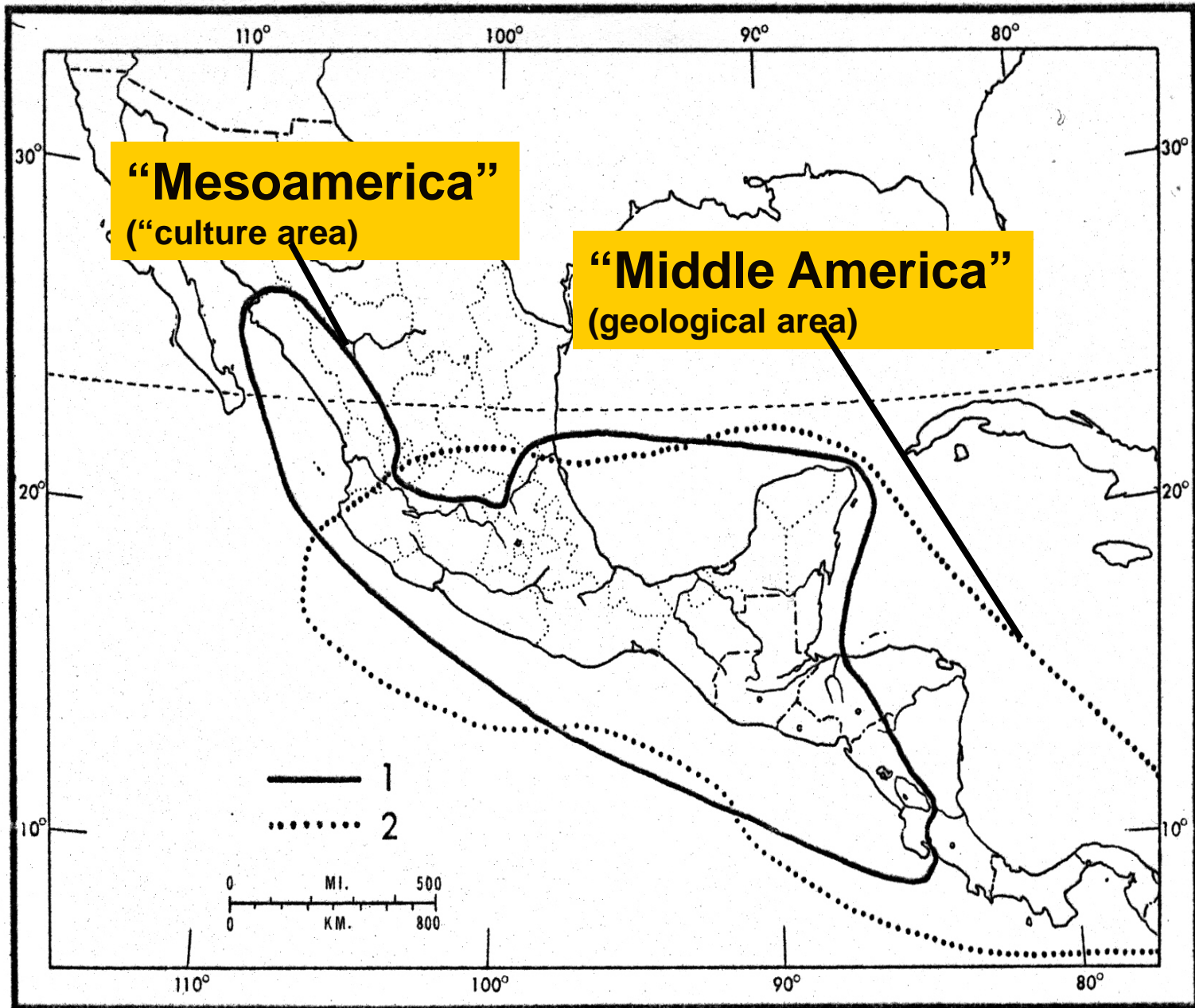


FIG. 1—AREAL CONCEPTS

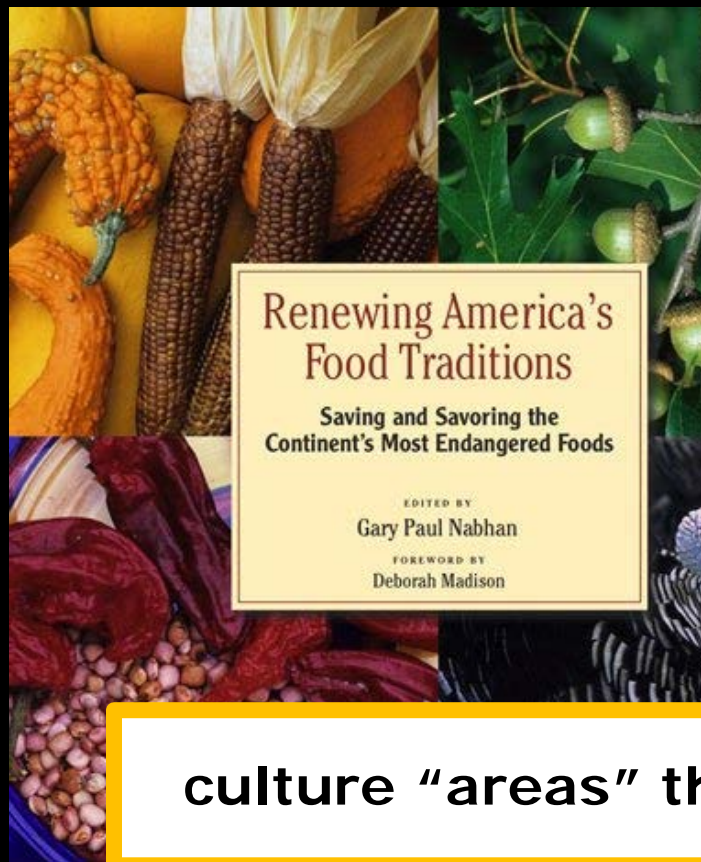
Key: 1. Territory of "Cultural" Mesoamerica. 2. Geological Middle America.





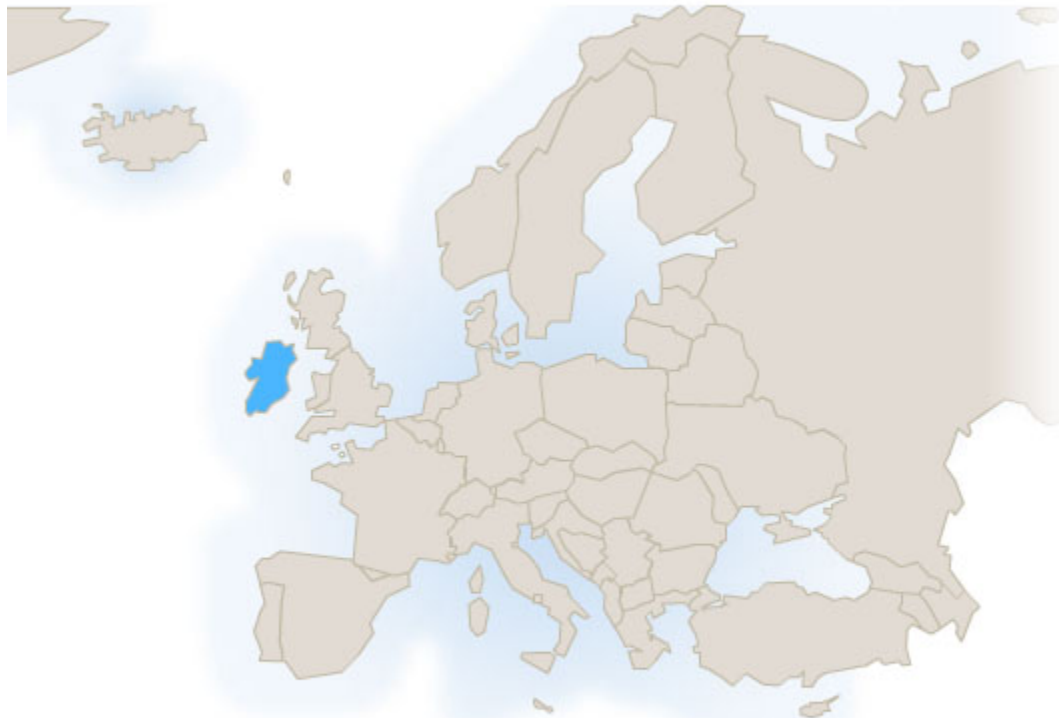
other North American “culture areas”

some “areas” ***are not*** “officially”
anthropological
“cultural areas” . . .



culture “areas” that are not “culture areas”

**it can get confusing
because, among other things,
some regions we consider
cultural areas in daily life are
also officially designated as
“cultural areas” in modern
Anthropology**



Albania	Italy
Andorra	Latvia
Armenia	Liechtenstein
Austria	Lithuania
Azerbaijan	Luxembourg
Belarus	Macedonia
Belgium	Malta
Bosnia-Herzegovina	Moldova
Bulgaria	Monaco
Canary Islands	Montenegro
Croatia	Netherlands
Cyprus	Norway
Czech Republic	Poland
Denmark	Portugal
England	Romania
Estonia	Russia
Faroe Islands	San Marino
Finland	Scotland
France	Serbia
Georgia	Slovakia
Germany	Slovenia
Greece	Spain
Greenland	Sweden
	Switzerland
	Turkey
	Ukraine
	Wales

**Europe, for e.g., is now officially
an anthropological
“culture area”**

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”

–a culture / “subculture”

- a nation
- an item or action itself
- a “cultural metaphor”

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”

–a culture / “subculture”

**cultures are major groups of
individuals with common
customs, traditions, history,
and origin,
sharing a common language**

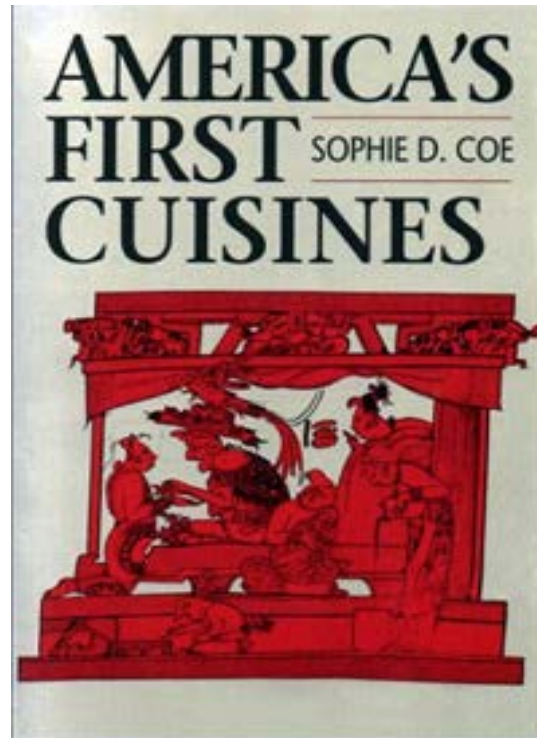
for e.g.,



Aztec

Maya

Inca



Sophie D. Coe

America's First Cuisines

Austin: University of Texas Press, 1994.

www.d.umn.edu/cla/faculty/troufs/anthfood/aftexts.html#title

as mentioned in the “Orientation”
units of analysis may include:

there are dozens in Mesoamerica

for e.g.

–a culture / “subculture”

cultures are major groups of
individuals with common customs,
traditions, history, and origin,
sharing a common language

as mentioned in the “Orientation”
units of analysis may include:

there are dozens in Mesoamerica

for e.g.

–a culture / “subculture”

Maya

Chamula
Lancandon
Tzotzil
Tzeltal
Zoque

Yaqui

Otomi

Tarascan

Mixtec

Zapotec

Olmec

Toltec

Aztec

Teotihuacanos

Tarahumara . . .

just in Mexico, for e.g., **there are 63 languages spoken**

—9 “major” languages,
and 54 languages of “microcultures”

Languages

Nahuatl, Yucatec, Tzotzil, Mixtec, Zapotec,
Otomi, Huichol, Totonac and other living 54
languages along the Mexican territory, as well
as Spanish.



***Mexico* (6th ed.)**

**Michael D. Coe and Rex
Koontz**

(NY: *Thames and Hudson*, 2008)

- "A pioneering synthesis." --
Antiquity
- "Fascinating reading . . . an
accessible, informed and
extremely well illustrated
introductory book." --
Popular Archaeology

**"Michael D. Coe's Mexico has
long been recognized as the**



***Mexico* (6th ed.)**

**Michael D. Coe and Rex
Koontz**

(NY: *Thames and Hudson*, 2008)

- "A pioneering synthesis." --
Antiquity
- "Fascinating reading . . . an
accessible, informed and
extremely well illustrated
introductory book." --
Popular Archaeology

but Mexico, for e.g., is not a "culture"
it is a "nation"

as mentioned in the “Orientation”

units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”
- a culture / **“subculture”**
- a nation
- an item or action itself
- a “cultural metaphor”

within “culture areas” there are most often
“subcultures”

within “culture areas” there are most often
“subcultures”

these are also known as
“microcultures”

within “culture areas” there are most often
“subcultures”

these are also known as
“microcultures”

and occasionally as
“local cultures”

“subcultures”

“microcultures”

“local cultures”

“subcultures”

“microcultures”

and often

there are ***lots*** of them



there are *dozens* in Mesoamerica

for e.g.

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family

there are several “subcultures” in the Maya area alone

- a culture / **“subculture”**

Maya

**Chamula
Lancandon
Tzotzil
Tzeltal
Zoque**

Yaqui
Otomi
Tarascan
Mixtec
Zapotec

Olmec
Toltec
Aztec
Teotihuacanos
Tarahumara . . .

[to top of page / A-Z index](#)



Map of the
Mayan World
-- NOVA

Search for the Lost Cave People

ca. 60 min., 1998, VC 3339

[Abstract](#)

[Terms /
Concepts](#)

[Notes](#)

[Cultures](#)

[Sites](#)

[Individuals](#)

[Bibliography
/ Resources](#)

[NOVA information from PBS](#)

[Before and After](#)

[Cast Members](#)

[Interview with Thomas Lee](#)

[Archaeologist](#)

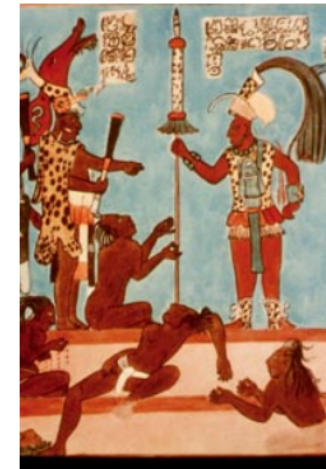
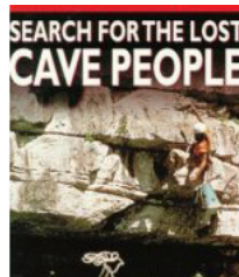
[Guide Resources](#)

[Transcript of the Television Broadcast](#)



in the
(NOVA)
the
on the Tons

Maya
Chamula
Lancandon
Tzotzil
Tzeltal
Zoque



Detail of [Bonampak Mural](#)



[Partially-excavated remains of a
child](#)



Find: map



Map of the
Mayan World
-- NOVA

Maya Lords of the Jungle

60 min., 1981, VC 212

[Abstract](#)

[Terms /
Concepts](#)

[Notes](#)

[Cultures](#)

[Sites](#)

[Individuals](#)

[Bibliography
/ Resources](#)

"Depicts . . . archaeological work on the Maya civilization in the Yucatán Peninsula and in Central America. Discusses how it developed, why it declined, and what significance . . . finds and interpretations have."



Maya stelae of
Copán, Honduras,
Frederick Catherwood, 1839

[↑](#) to top of page / [A-Z index](#)

Terms / Concepts:

- **raised field agriculture**
 - "intensive agriculture"

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”

–a nation

- an item or action itself
- a “cultural metaphor”

REM NOTE:
he **nation** of South Africa
is different from
the **region** of
South Africa

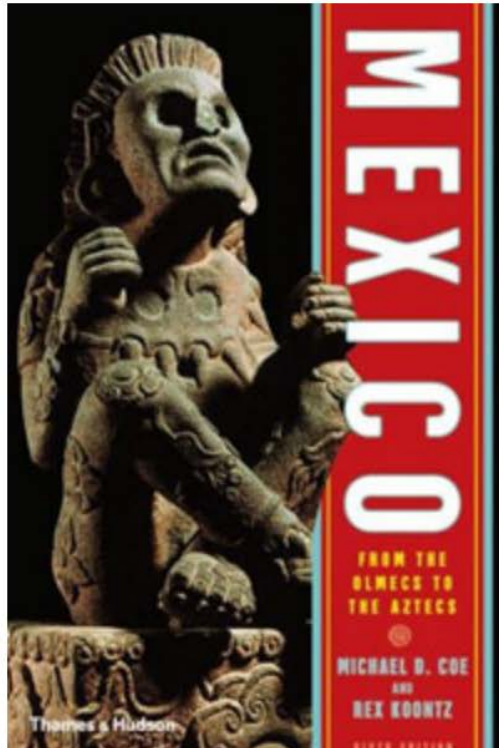
South Africa
is the *nation* of
South Africa



REM NOTE:
he **nation** of South Africa
is different from
the **region** of
South Africa



“South Africa”
is the *region* of
“southern Africa”



***Mexico* (6th ed.)**

Michael D. Coe and Rex Koontz

(NY: Thames and Hudson, 2008)

- "A pioneering synthesis." -- *Antiquity*
- "Fascinating reading . . . an accessible, informed and extremely well illustrated introductory book." -- *Popular Archaeology*

**REM: Mexico, for e.g., is not a "culture"
it is a "nation"**

as mentioned in the “Orientation”

units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”
- a nation
- **an item or action itself**
- a “cultural metaphor”

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”
- a nation
- **an item or action itself**
- a “cultural metaphor”

including “processes”

as mentioned in the “Orientation”
units of analysis may include:

- one person
- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”
- a nation
- **an item or action itself**

**and there’s almost no end
to these . . .**

[↑ to top of page / A-Z index](#)

The Search for Adam

51 min., 2005, DVD 1015

see also
DNA

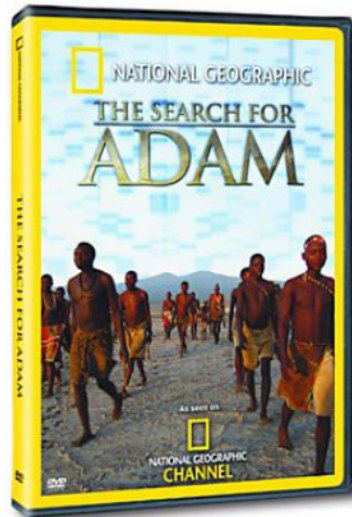
[The Genographic Project](#)



Geneticist and anthropologist [Spencer Wells](#) takes a DNA sample from a man on Pate Island, Kenya for the [Genographic Project](#)



Venus of Willendorf



[National Geographic WebSite](#)



Front-view of a computer generated model
the face of Adam
Image created by [Animetrics](#)



[Genghis Khan](#)
Khagan of Mongol Empire
("Khan of the Mongols")

[Abstract](#)

[Terms / Concepts](#)

[Notes](#)

× Find: [Next](#) [Previous](#) [Highlight all](#) ☐ Match case

 PBS HOME

PROGRAMS A-Z

TV SCHEDULES

WATCH VIDEO

SUPPORT PBS

SHOP PBS

SEARCH PBS

HOMESEARCHCONTACT

Alan Alda in
SCIENTIFIC
AMERICAN
FRONTIERS

TV Schedule

Alan Alda

For Educators

Previous Shows

Future Shows

Special Features

Coming into America



Watch online

Web links & more

Teaching guide

Who were the first Americans? New discoveries and techniques for dating them have archaeologists rethinking what we know -- and rewriting history.

Web Features



Meet the Boatbuilder

Learn how the craft and traditions of boat building are handed down and used today.

On the Hunt

Click and discover how artifacts today might have been used in a clovis mammoth hunt.

Tracing the Genes

Scientists attempt to recreate early human migrations by using molecular genetics.

How Old Are You?

How do archeologists know

Segments

in this show:

Who Was Arlington Springs Woman?

Clovis: A Primer

Clovis First?

Were the First Americans European?

By Land or By Sea

premiering Tuesday,
July 20, 2004

Explore more
in our

Find: map

Next

Previous

Highlight all

Match case

Who Were the First Americans?

<http://www.pbs.org/saf/1406/index.html>

[↑ to top of page / A-Z index](#)

"Looking for One Beginning The Fallacy of Diffusionism"

From the series *Lost Worlds: The Story of Archaeology*

(50 min., 2001, DVD 208)



[Kon-Tiki](#)

[Abstract](#)

[Terms /](#)

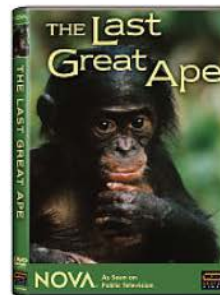
[Notes](#)

× Find: [Next](#) [Previous](#) [Highlight all](#) ☐ Match case

[↑ to top of page / A-Z index](#)



(56 min., 2007, CC, DVD 1150)



[Abstract](#) [TV Program Description](#) [Terms / Concepts](#) [Notes](#)

[Sites](#) [Individuals](#) [Bibliography](#) [Film Reviews](#)

× Find: [Next](#) [Previous](#) [Highlight all](#) ☐ Match case

Times to Remember

Google™ Custom Search

Search

[↑](#) to top of page / A-Z index

322

Lithics

"Chart of the Principal Paleolithic Industries"



Clovis point

[lithic analysis](#) -- Wikipedia

[search lithics on JSTOR](#)

Try "The lithics site"

-- Hugh Jarvis, SUNY Buffalo (Comprehensive)

[↑](#) to top of page / A-Z index

Blades and Pressure Flaking

20 min., 1968, VC 2841



[Clovis point](#)



[Francois Bordes](#)



[Don Crabtree](#)

[Abstract](#)

[Terms /
Concepts](#)

[Notes](#)



Our Networks ▶

TLC

Animal Planet

Science Channel

Discovery Health

Investigation Discovery

Discovery Store

SHOP WITH US ▶

Discovery ADVENTURES

TRAVEL WITH US ▶

SITE SEARCH

Now includes video!

SEARCH

TV SHOWS ▼

TV SCHEDULES ▼

NEWS ▼

VIDEO ▼

GAMES ▼

BLOGS ▼

EXPLORE BY SUBJECT ▼

NEWSLETTERS ▼

SHOP ▼

DISCOVERING ARDI

DARWIN COULD ONLY DREAM OF FINDING THIS.



Explore The World of Ardi pithecus

Ardi pithecus Home » Ardi Video »

The Ardi pithecus Handbook



Discovery

Ardi Revealed

The Family

Find: map

Next

Previous

Highlight all

Match case

[UMD E-Journal Locator](#)
[search on JSTOR](#)

[Wikipedia](#)
[Wiktionary](#)

[BBC News > Americas](#)
[Duluth News Tribune](#)

[Fall 2010 Calendar -- EVENING](#)

[Dates and Times to Remember](#)

[class slides on-line](#)
(free PowerPoint Viewer 2007)

[↑ to top of page / A-Z index](#)

[Paperless Translation](#)
~ [translate this page](#)

[Cutting Costs for College Textbooks](#)

[general textbook information](#)



Neanderthals on Trial

60 min., 2002, VC 4333

[Abstract](#)

[Terms /
Concepts](#)

[Notes](#)

[Cultures](#)

[Sites](#)

[Individuals](#)

[Bibliography
/ Resources](#)

[NOVA](#) information (60 min., 2002)

[↑ to top of page / A-Z index](#)

"Were Neanderthals human like us, or were they sub-human brutes? Since the discovery of the first Neanderthal skeleton in 1856, scientists have battled over

× Find: [Next](#) [Previous](#) [Highlight all](#) ☐ Match case

[↑ to top of page / A-Z
index](#)



The Iceman

"Ötzi"

56 min., 1992, VC
1981

[more
information
on Ötzi](#)

See also:

[*The Iceman*](#)
97 min., 1998, VC
1997



[The Iceman's Ax](#)



Map of the
Mayan World
-- NOVA

The Fall of the Maya

23 min., 1993, VC 2322

[Abstract](#) [Terms /
Concepts](#) [Notes](#)

[Cultures](#) [Sites](#) [Individuals](#) [Bibliography
/ Resources](#)

[Other Maya Sites](#)

[Maya -- Wikipedia](#)

[Search Maya on JSTOR](#)



Copán, Honduras

"The mystery of the Maya civilization is explained through the archaeological findings of the ancient city of Copán in the Honduras' jungle."

"Until 1965, the ancient Maya were thought to have been a mysterious but peaceful people governed by astronomer-priests. But then Russian linguist Yuri Knorosov cracked the phonetic code of Maya hieroglyphics. Today, researchers are revealing stories of Maya blood sacrifice, uncovering a world far different from their expectations. This program shows how, from excavations deep in the Honduran jungle to the most recently interpreted hieroglyphic writings, the story is being



The story behind the centuries-long
decipherment of ancient Maya hieroglyphs



TIME LINE OF DECIPHERMENT

Trace key discoveries in
the effort to understand
the Maya script.



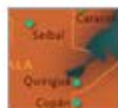
A MASTERPIECE REVEALED

Explore a 2,000-year-old
mural, one of the most
exciting recent
discoveries of early
Maya art.



DECODE STELA 3

"Read" Maya hieroglyphs
carved on an eighth-
century stone
monument, and hear
them spoken aloud.



MAP OF THE MAYA WORLD

From Chichén Itzá in the
north to Copán in the
south, the Maya empire
was vast and varied.



[WATCH A PREVIEW](#)
[TV PROGRAM DESCRIPTION](#)
[LINKS & BOOKS](#)
[TEACHER'S GUIDE](#)
[E-MAIL BULLETIN](#)

As mentioned in the “Orientation”
units of analysis may include:

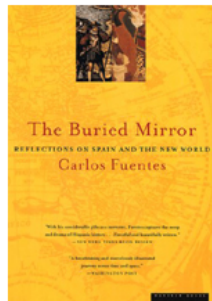
- one person
- the family
- the community
- a region
- a “culture area”
- a culture / “subculture”
- a nation
- an item or action itself
- **a “cultural metaphor”**

as mentioned in the “Orientation”
units of analysis may include:

**cultural metaphors use an item or
event representative of a culture
and analyze the culture with
reference to that item or event**

– an item or action itself

– a “cultural metaphor”



The Buried Mirror: The Virgin and the Bull

(59 min., 1991, VC 3933, pt. 1)



[Spanish Bullfight](#)

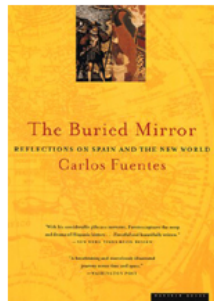
[Spain](#) [Mexico](#) [Portugal](#)

[top of page](#)

"... The mirror, for American Indians, ... symbolized power, the sun, the Earth, its four corners, and its people. Now, an extraordinary 'mirror' is being held up to the Old and New worlds to reflect the diverse cultures of Spanish-speaking countries and peoples, together with the themes, institutions, beliefs, and symbols that have endured or changed through time."

"Vibrant and illuminating, *The Buried Mirror* is an epic portrait of a remarkable history. ..."

"Best-selling Mexican author Carlos Fuentes looks for his forebears in the mix of people that created



The Buried Mirror: The Virgin and the Bull



Carlos Fuentes
for e.g.,
**looks at prehistoric and modern
Mexico and Spain
in terms of the imagery of
“The Virgin”
and
“The Bull”**

and, of course, **the**
Units of Analysis
can be combined
(and quite often are)



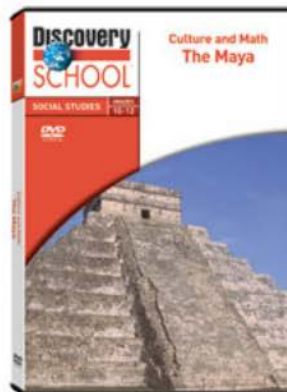
"Detail showing three columns of glyphs from La Mojarra Stela 1. The left column uses Maya numerals to show a Long Count date of 8.5.16.9.9, or 156 CE"

[Maya numerals](#) -- Wikipedia

"Culture and Math: The Maya"

slides

15/31 min., 2006, CC, DVD 1110



Discovery Channel

0	1	2	3	4
5	6	7	8	9
10	11	12	13	14
15	16	17	18	19

[Abstract](#)

[Terms / Concepts](#)

[Notes](#)

[Cultures](#)

[Sites](#)

[Individuals](#)

[Bibliography
/ Resources](#)



WHY
SOME
LIKE IT

Below the title, the word 'HOT' is partially visible in large red letters, with a red DNA double helix graphic integrated into the letter 'O'.

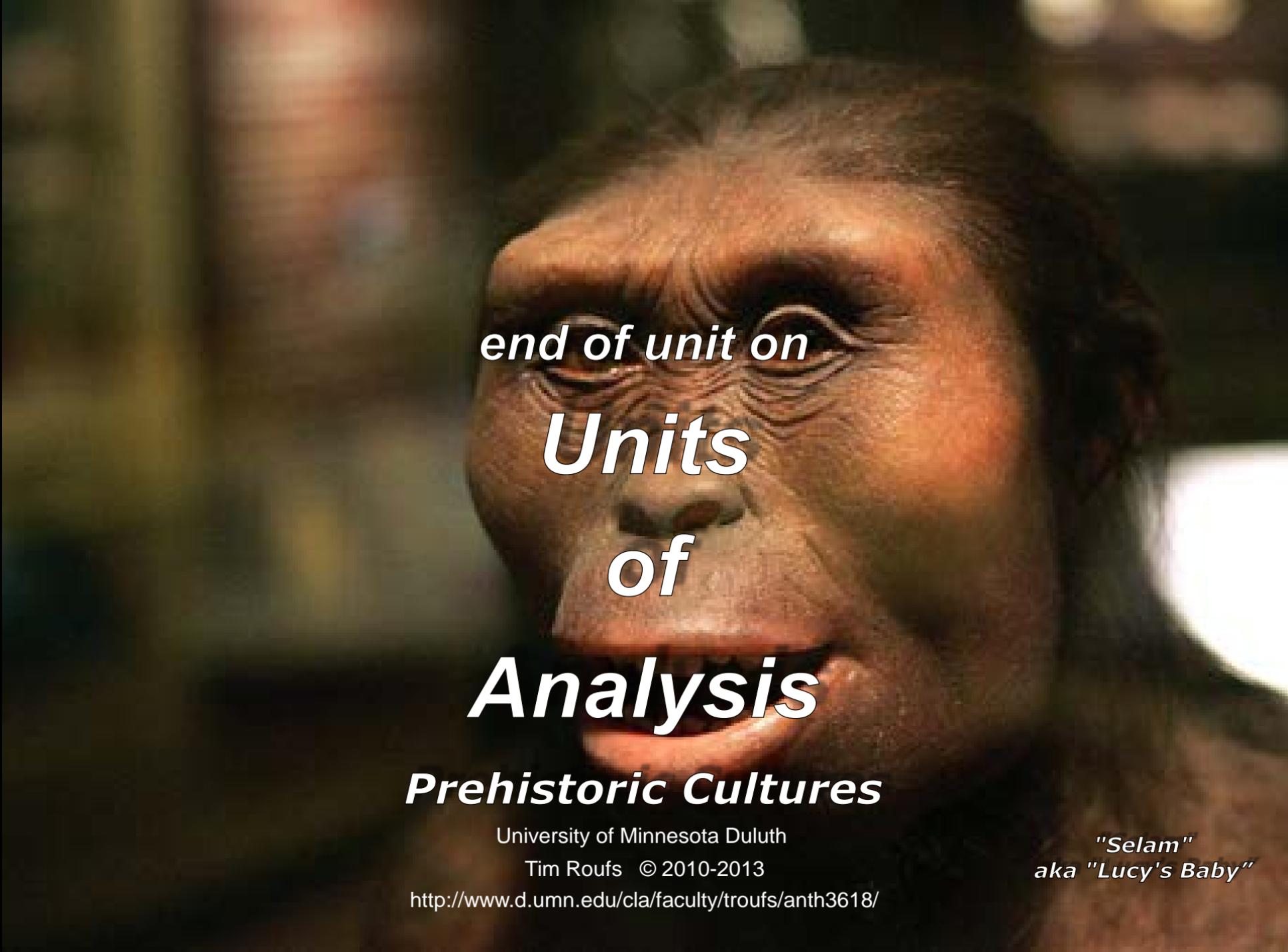
**food
genes
cultural diversity**

Island Press (2004)

in summary . . .

“units of analysis” may include:

- one person**
- the family**
- the community**
- a region**
- a “culture area”**
- a culture / “subculture”**
- a nation**
- an item or action itself**
- a “cultural metaphor”**



end of unit on
Units
of
Analysis
Prehistoric Cultures

University of Minnesota Duluth

Tim Roufs © 2010-2013

<http://www.d.umn.edu/cla/faculty/troufs/anth3618/>

"Selam"
aka "Lucy's Baby"