

Duluth Campus

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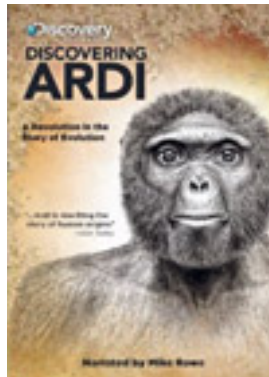
14 October 2012

DAY 1601 Prehistoric Cultures Week 7:

## Discovering “Ardi” and some Methods and Techniques

**This week we set about *Discovering Ardi* and some more things about Archaeological/Paleontological Methods and Techniques.** That will take **all week, and then some** . . . . (remember the difference between *methods* and *techniques*—that’s why).

We’ll set out on the Ardi discovery on Tuesday, and finish that on Thursday.



(88 min., 2009, UM DULUTH Library Multimedia GN283.25 .D57 2009 DVD)

film HomePage--Discovery Channel

The class Ardi WebPage—actually the *Ardipithecus ramidus* WebPage—is at

<http://www.d.umn.edu/cla/faculty/troufs/anth1602/pcardipithecus.html#title>.

Ardi, shows up *everywhere* this week, even in the **moodle** Forum . . .

- [Forum: Why the Big Fuss Over "Ardi"? \(Due by Friday, 26 October 2012\)](#)

Uncovering *Ardi* was named *Science*’s 2009 Breakthrough of the Year—which itself is interesting as “Ardi” was originally discovered in Ethiopia in 1992. It took *seventeen years* to figure out what they found—that’s the pace sometimes of Archaeological Methods and Techniques. . . .

This week we'll also resume our formal investigations into **Archaeological Methods and Dating Techniques**. Archaeological Methods and Techniques will be with us on and off for the rest of the semester, and we'll see many of these slides in class, so pay special attention to them in the videos . . .

**Archaeological Methods and Dating Techniques**  
[WebPage](#)

**Some Important Concepts** ([slides 11B](#))

**Special Skills:**

- In the Field ([slides 10A](#))
- In the Lab ([slides 10B](#))
- In the Field and Lab ([slides 10C](#))

**Archaeological Dating Methods** ([slides 10D](#))

**Other Methods of Analysis** ([slides 10E](#))

Your **moodle** Topics and Reading Assignments Listings for Week 7 will look something like the information at the end of this memo.

As usual, if you have any questions, please let me know: <mailto:troufs@d.umn.edu>. Or, better yet, post them on your **moodle** Discussion and Project forum boards.

Share your ideas, including study-questions with your classmates. Discuss them on-line with the others in class .

f2012 DAY 1601

- [Live chat for Project Collaboration](#)
- [General Student Discussion Area Forum](#)

Best Regards,

Tim Roufs

[Anth 1602 Prehistoric Cultures](#)

**Week 7 — Discovering "Ardi"**  
and some Methods and Techniques

[\*Ardipithecus ramidis\*](#)

an early human-like species 4.4 million years old



1601 DAY Week 7 Memo

## Archaeological Methods and Dating Techniques

[WebPage](#)

**Some Important Concepts** ([slides 11B](#))

### Special Skills:

In the Field ([slides 10A](#))

In the Lab ([slides 10B](#))

In the Field and Lab ([slides 10C](#))

**Archaeological Dating Methods** ([slides 10D](#))

**Other Methods of Analysis** ([slides 10E](#))

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DAY 13 Tuesday, 16 October 2012 nlt 3:35

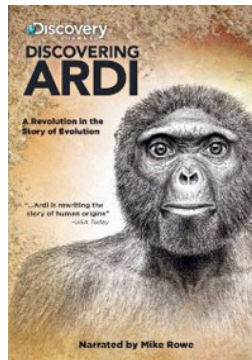
DAY 14 Thursday, 18 October 2012 (cont.)

video

### ***Discovering Ardi . . .***

(88 min., 2009, UM DULUTH Library Multimedia GN283.25 .D57 2009 DVD)

[film HomePage](#) -- [Discovery Channel](#)



(88 min., 2009, UM DULUTH Library Multimedia GN283.25 .D57 2009 DVD)

from

### **Dates and Times to Remember**

<<http://www.d.umn.edu/cla/faculty/troufs/anth1602/pctimes.html#hominins>>



c. 2.6 mya ... (11 August 2010)	-- <u>first stone tools</u> (Gona / Bouri, Ethiopia)	
c. 2.5 mya ...	<b>"Taung Child"</b> -- <u>Australopithecus africanus</u> (c. 2.5 mya)	<b>"Early Hominins"</b>  Cf., <u>Text 10<sup>th</sup> Ed.</u> , Ch. 9 "Hominin Origins," pp. 201-232
c. 2.7 mya ...	<b>"Zinj"</b> -- <u>Paranthropus</u> (c., 2.7 mya) -- aka <u>Australopithecus robustus</u>	
c. 3.2 mya ...	<b>"Little Foot"</b> -- <u>Australopithecus</u> [species uncertain] (2.2-3.3 mya?)	
c. 3.2 mya ...	<b>"Lucy"</b> -- <u>Australopithecus afarensis</u> (2.9-3.9 mya / 3.2 mya)	
c. 3.3 mya ...	<b>"Selam"</b> -- <u>Australopithecus afarensis</u> (3.3-3.5 mya)	
c. 4.4 mya ...	<b>"Ardi"</b> -- <u>Ardipithecus ramidus</u> (4.4 mya) -- <u>Ardipithecus kadabba</u> (5.8-5.2 mya / ~ 5.6 mya)	
c. 5.6 mya ...	<b>"Toumai"</b> -- <u>Sahelanthropus tchadensis</u> (5.8-5.2 mya / ~ 5.6 mya) ["Dental hominin"] <i>[Nature article]</i>	
c. 6 mya ...	<b><u>Orrorin tugenensis</u></b> (5.8-6.1 mya / ~ 6.0 mya)	

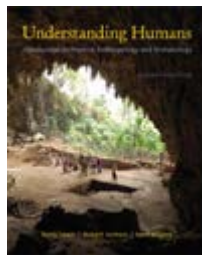


For Week 7 Activities see [noodle](#)

readings from [Understanding Humans, 11<sup>th</sup> Edition](#)

Ch. 9, "Hominin Origins," pp. 197-230

The materials from Ch. 9 will be reviewed in Week 7 presentations



For Week 7 Activities see [noodle](#)

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