

Oncology Recapitulates Phylogeny

2nd Annual BRN Symposium

March 17, 2009

Clifton Leaf

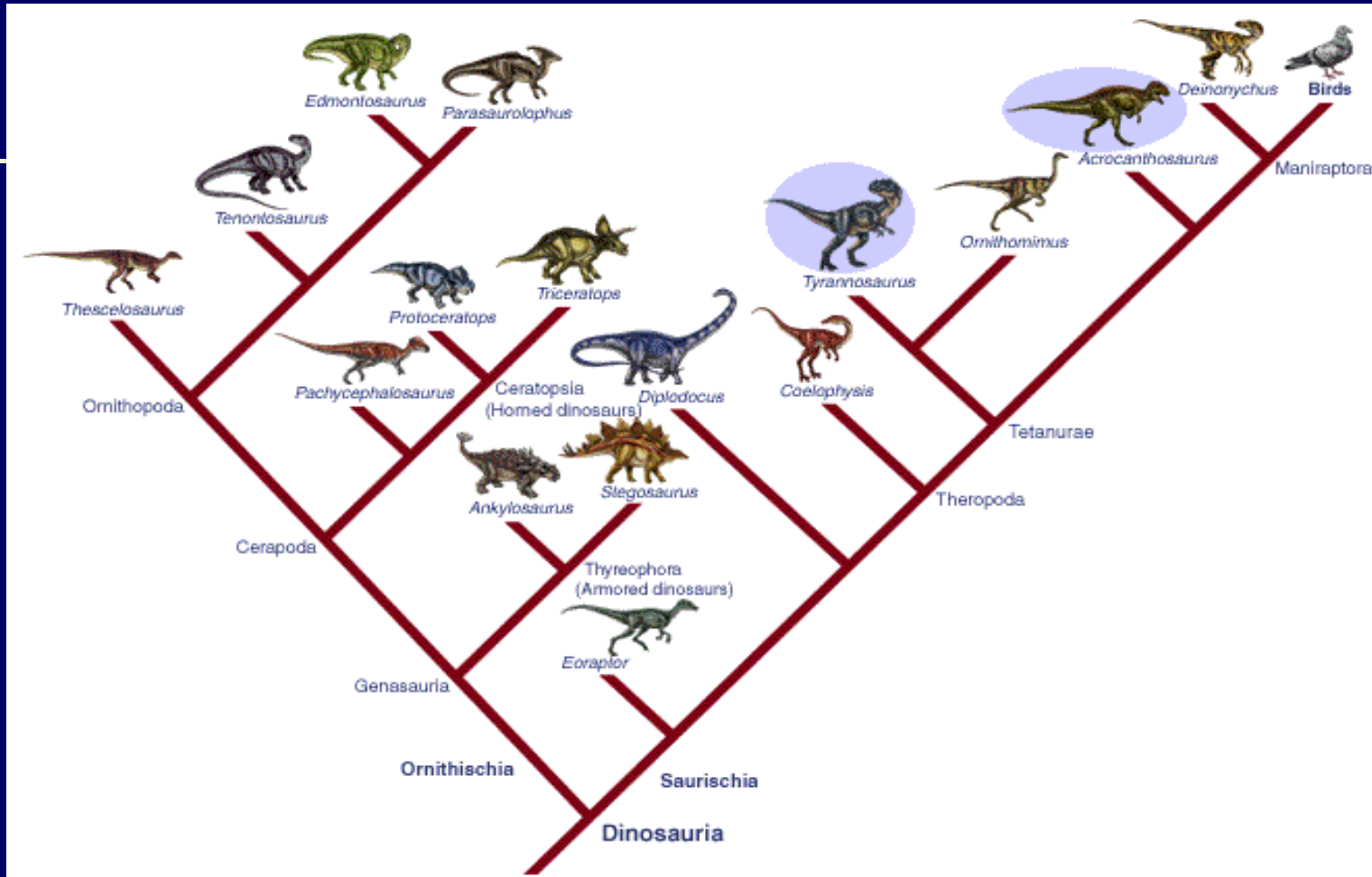




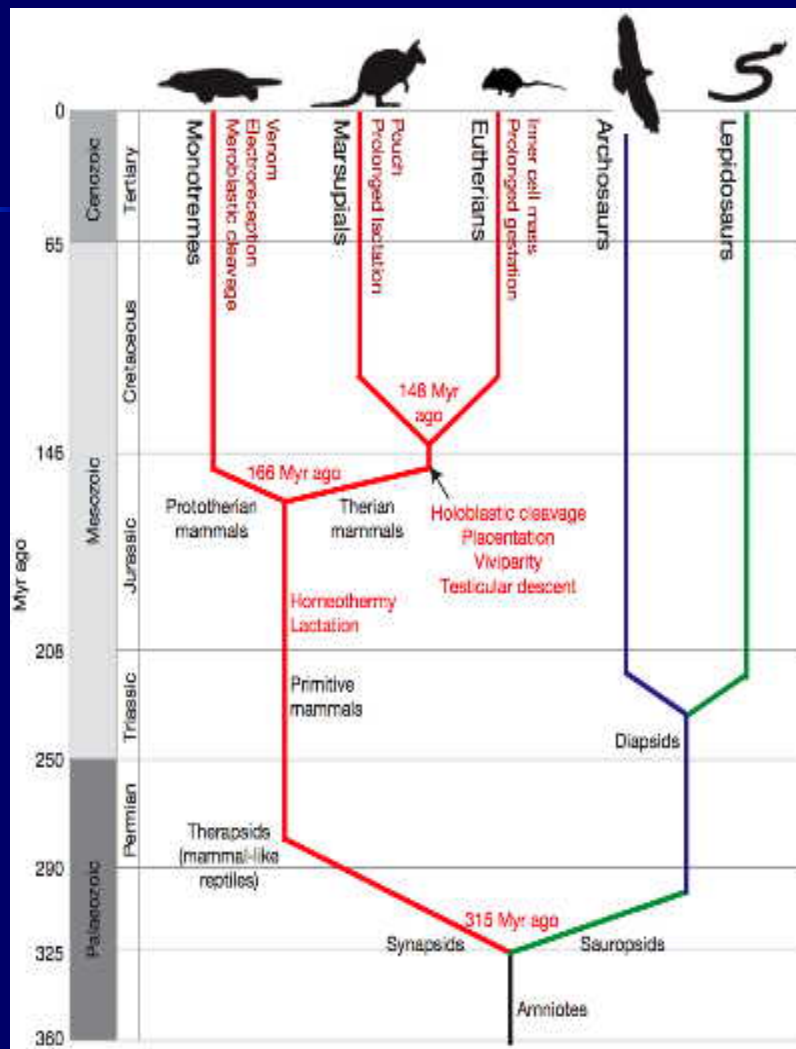
MUSEUM OF NATURAL HISTORY - NEW YORK CITY



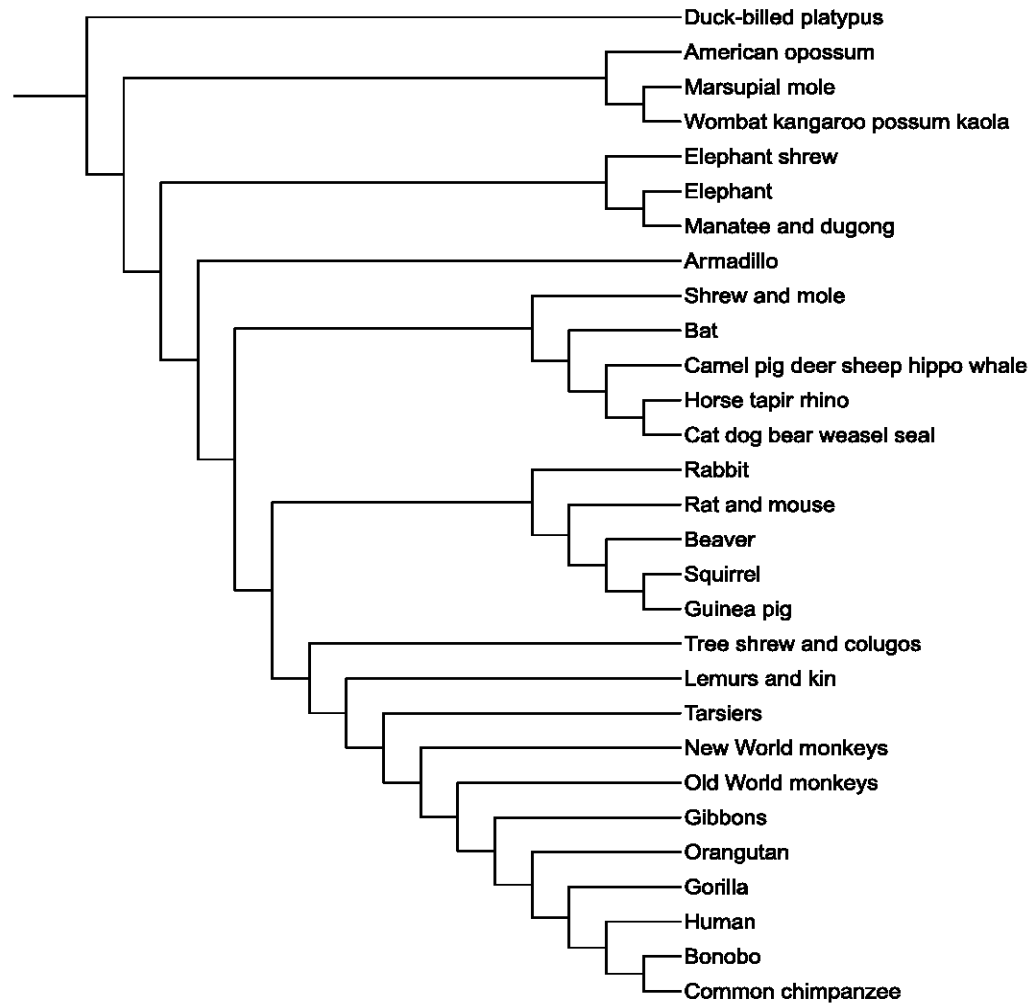




Dinosaur cladogram



The branching of amniotes



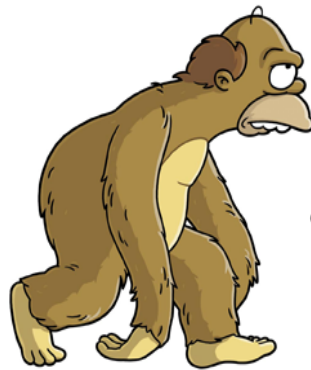
Onward to
mammals



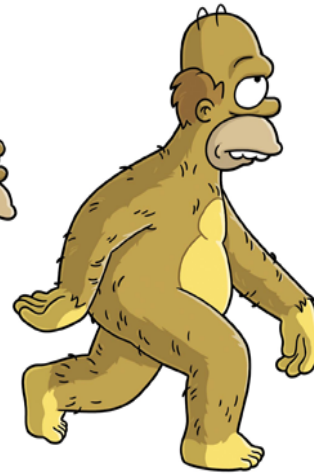
MONKIUS EATALOTIS



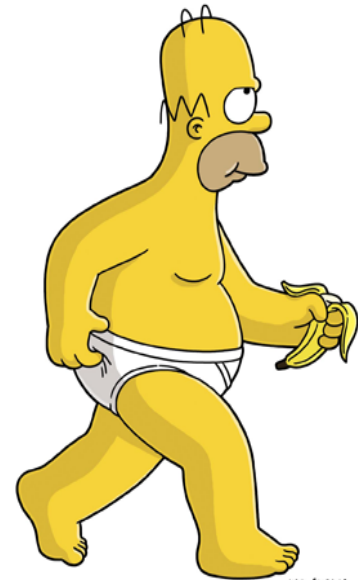
CHIMPUS IMBECILUS



APEIS STUPIDIUS



NEANDERSLOB



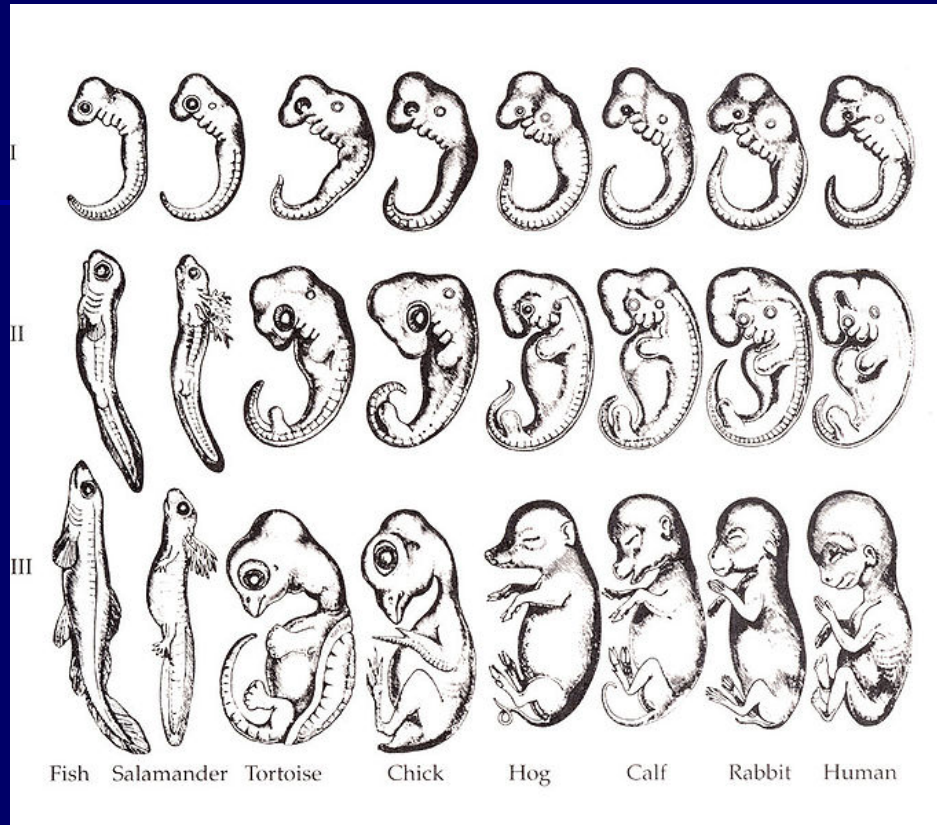
HOMERSAPIEN

MART GARRETT

HOMERSAPIEN

. . . And so forth.

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Phylogeny

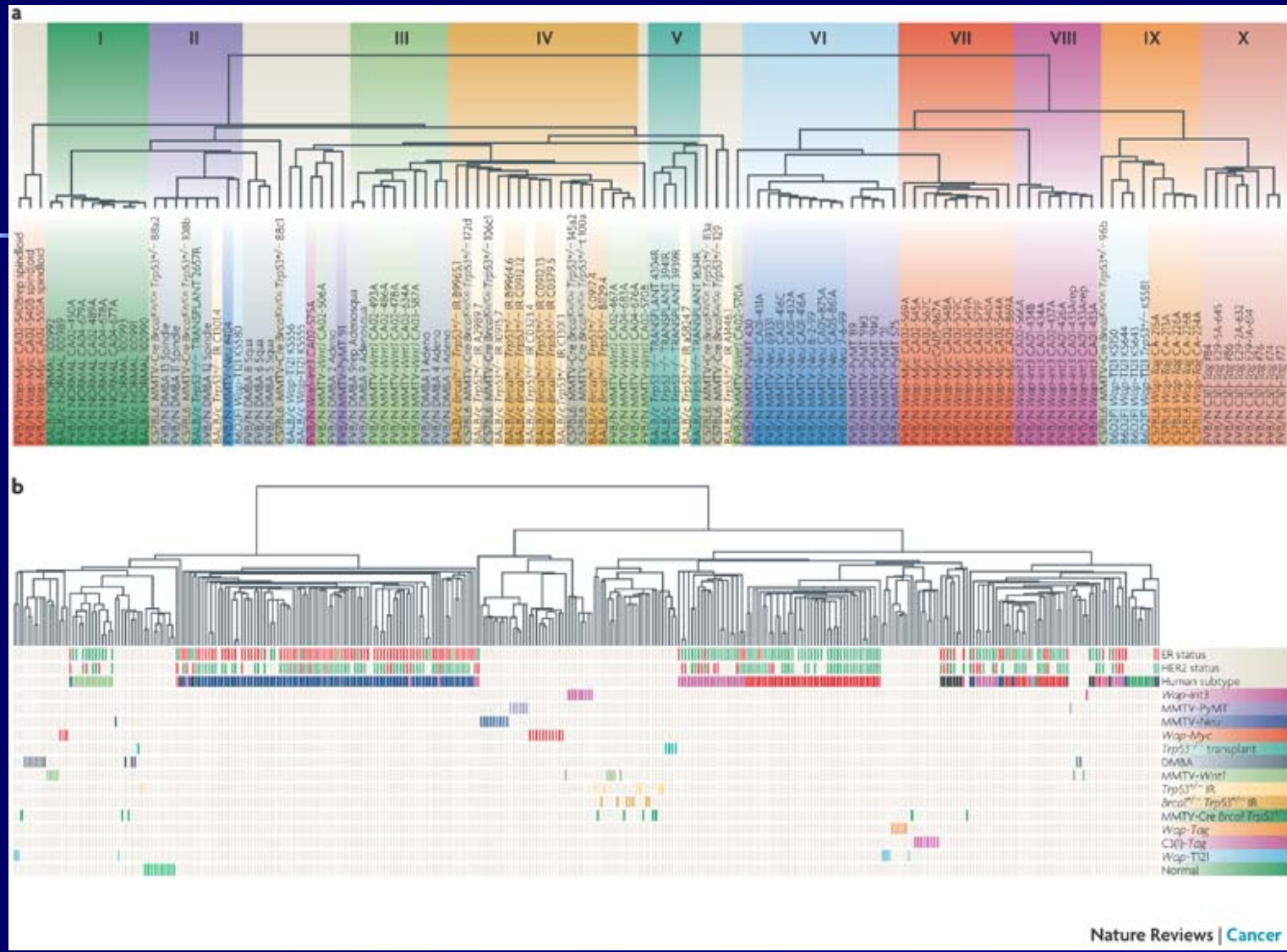


“Ontogeny Recapitulates Phylogeny”
—Ernst Haeckel

Oncology Recapitulates
Phylogeny

We need two things....

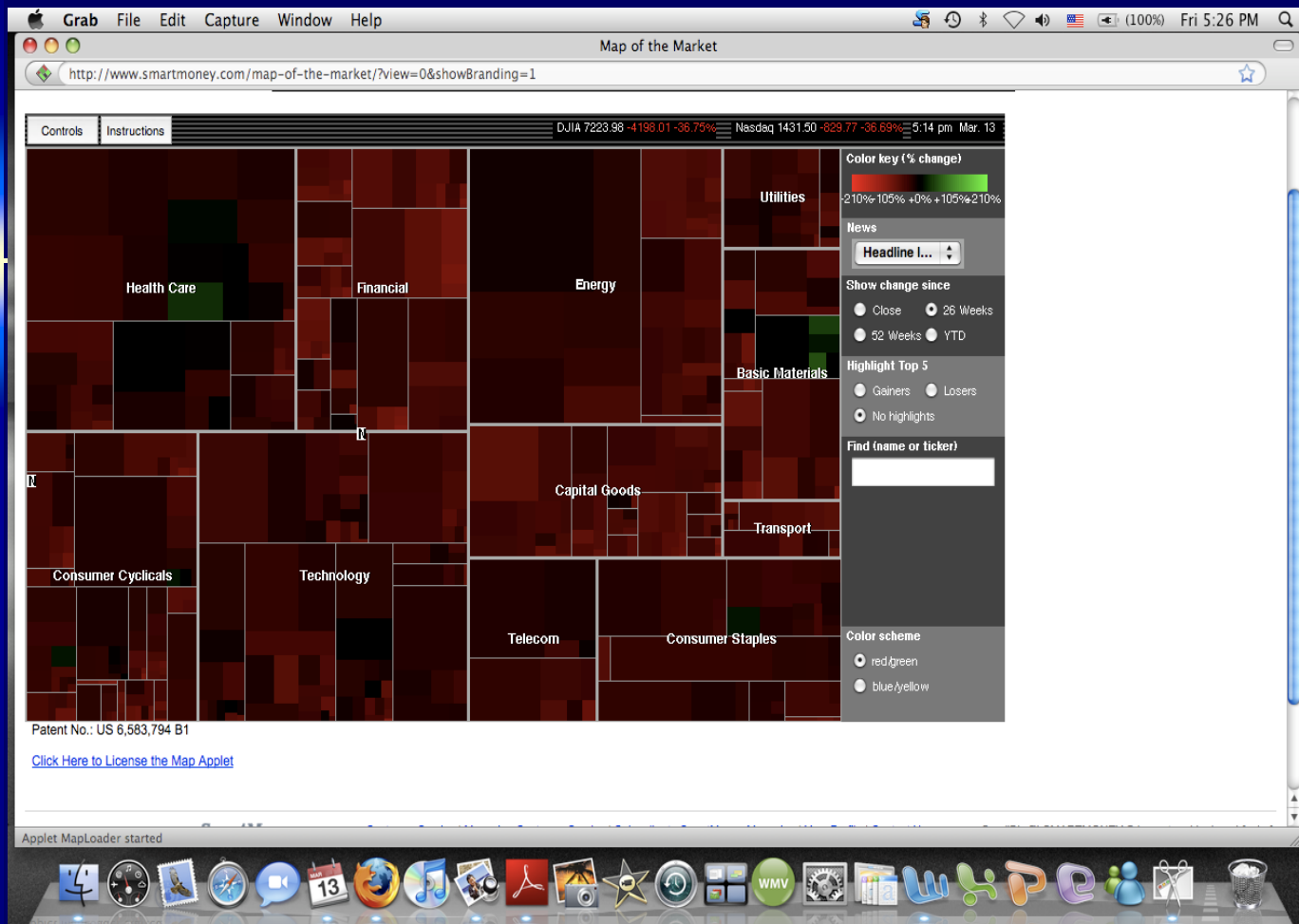
- Fossils
- Cladograms



VARGO-GOGOLA AND ROSEN, *NATURE REVIEWS CANCER*, SEPT. 2007 (VOL 7)



SmartMoney's "Map of the Market"
 Friday, March 13, 2009 (one day price change)



SmartMoney's "Map of the Market"
Friday, March 13, 2009 (gain/loss over 26 weeks)



First Round
March 19, 20

Second Round
March 21, 22

Sweet 16
March 26, 27

Elite Eight
March 28, 29

Final Four
April 4

NATIONAL
CHAMPIONSHIP

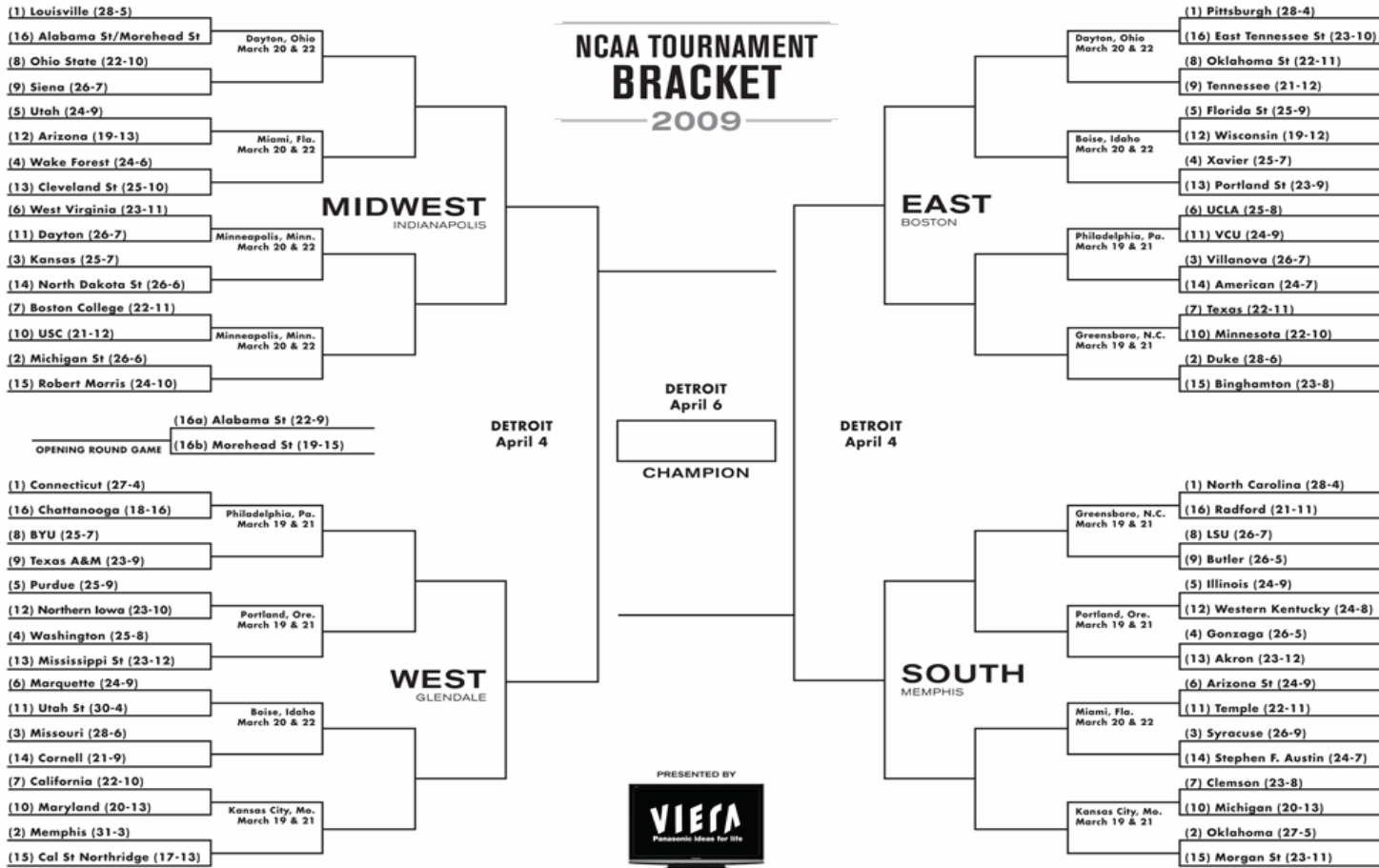
Final Four
April 4

Elite Eight
March 28, 29

Sweet 16
March 26, 27

Second Round
March 21, 22

First Round
March 19, 20



Fill out your brackets on your mobile phone.
Go to ESPN.com/Tournament on your phone's browser.

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