

Evolution: Fossils, Genes, and Mousetraps
2006 Ken Miller Lecture
DVD Chapter List

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1. Preamble: Kenneth Miller.
2. Evolution controversy.
3. Is evolution a theory?
4. Evolution is central to biology.
5. Evolution: The 30-second version.
6. Living forms change.
7. Fossils and living species.
8. Natural selection.
9. New species arising now.
10. Fossils and whale evolution.
11. Fossils and fish to tetrapods.
12. Fossil record for humans.
13. Molecular evolution: Chimps and humans.
14. Q&A: How do you reconcile your religion with evolution?
15. Q&A: How are chromosomes numbered?
16. Q&A: Are humans still evolving?
17. Q&A: Could another species displace humans?
18. Q&A: Did fused chromosomes make humans a species?
19. Dover, PA evolution trial.
20. Dover trial makes The Daily Show.
21. What is "Intelligent Design?"
22. Bacterial flagella: Not irreducibly complex.
23. Blood-clotting factors: Not irreducibly complex
24. Mouse trap analogy.
25. "Intelligent design" is religious doctrine.
26. Science and new ideas.
27. Ken Miller on The Colbert Report
28. Q&A: Why have mammals evolved to be smaller?
29. Q&A: When will the evolution debate end?
30. Q&A: What is the origin of DNA?
31. Q&A: How is information added during evolution?
32. Q&A: Is there a "God" gene?
33. Q&A: What about pan-spermia or exogenesis?
34. Q&A: Will evolutionary breakthroughs continue?
35. Q&A: Is evolutionary change predictable?
36. Q&A: Do you believe in eugenics?
37. Q&A: How can life come from inanimate matter?