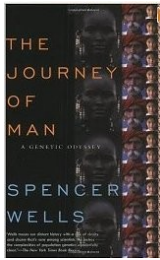
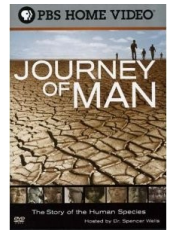


Journey of Man, by Dr. Spencer Wells

ASIN: B0000AYL48; DVD Release Date: August 5, 2003; Run Time: 120 minutes  
Format: Color, DVD, NTSC; Aspect Ratio: 1.33:1 (no language subtitles)  
Region 1 (U.S. and Canada only)



The Journey of Man: A Genetic Odyssey. Paperback: 240 pages  
Publisher: Random House Trade Paperbacks (February 17, 2004)  
Language: English | ISBN-10: 0812971469

[http://en.wikipedia.org/wiki/The\\_Journey\\_of\\_Man](http://en.wikipedia.org/wiki/The_Journey_of_Man)  
<http://www.youtube.com/> (search: "The Journey of Man")

Concepts and terminology:

- \* **Genetic traits:** all genes-based features of a living being, which may be visually noticeable, such as a person's eye-color or height; or not evident, such as people resistance to some diseases and the reason why people with light eye-colors, have way larger visual impairments
- \* **DNA** (DeoxyriboNucleic Acid): macromolecules supporting the instructions used in the development and functioning of all known living organisms (with the exception of RNA viruses)
- \* **RNA** (RiboNucleic Acid): one of the three major macromolecules (along with DNA and proteins) that are essential for all known forms of life
- \* **Proteins:** are assembled from amino acids using information encoded in genes. Each protein has its own unique amino acid sequence that is specified by the nucleotide sequence of the gene encoding this protein
- \* **Mutations** (biology and genetics): changes in the DNA/(genomic) (or RNA in a virus) sequence of a cell caused by physical or chemical or biological reasons, such as radiation, mutagenic chemicals and meiosis or replication
- \* **Mitochondrial DNA:** inherited solely from our (mammal) mothers and transferred only to daughters, is the smallest chromosome
- \* **Y-Chromosome:** one of the two sex-determining chromosomes in most mammals, including humans, which triggers testis development
- \* **Human evolution:** the phenotypic history of the genus Homo, including the emergence of Homo sapiens as a distinct species and as a unique category of hominids ('great apes') and mammals
- \* **Creationism:** humanity, life, the Earth, and the universe are the creation of a supernatural being
- \* **Intelligent design:** certain features of the universe and of living things are best explained by an intelligent cause, not an undirected process such as natural selection.

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Questions:

What did Dr. Wells want to prove exactly? Did he convincingly prove it?

Did people know about **inheritance**/"genetics" before it became part of Science?

How can we know about the history of our human ancestors if they didn't leave a written history?

Who was **Gregor Johann Mendel**?

Who were **Alfred Russel Wallace** and **Charles Darwin**?

Who is **Luca Cavalli-Sforza**?

How could they trace our genetic trail? Do you get genetic information only from blood?

