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## Biochemistry and Genetics

### Report Summaries

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### Adam and Eve Summary

[Updated 10/3/09]



For the most part, *The Urantia Book's* story about Adam and Eve differs considerably from the one found in the Old Testament. However, both accounts have three things in common: 1) a specific couple, living a long time ago in the Mesopotamia region, had a significant impact on humanity, 2) this couple behaved in a way that caused a big problem, and 3) the behavior problem precipitated the need to leave their original location.

According to *The Urantia Book*, which was published in 1955, the first human beings (roughly corresponding to *Homo erectus*) evolved about 1,000,000 years ago. It also recounts that almost 38,000 years ago Adam and Eve introduced some genetic upgrades into our gene pool, which enhanced brain function and resistance to disease (roughly corresponding with *Homo sapiens sapiens*). The authors extensively recount the development of the civilization that Adam and Eve started and how their descendants migrated around the world and mixed with other races. *The Urantia Book* provides specific information regarding time periods, places, degree of admixture with other races, and the impact on language and other aspects of culture.

Starting in 2004 numerous reports started to be published relating to portions of the Y chromosome and the Microcephalin gene. The Microcephalin gene play a critical role in the growth of the brain. The research results closely correlate with what *The Urantia Book* says about the spread of the genetic and cultural contributions of Adam and Eve. The research into Microcephalin indicates that new genetic material was introduced into the Microcephalin gene about 37,000 years ago and that the rest of the Microcephalin gene was approximately 990,000 years old. None of the obvious explanations for how new material might have been introduced fit well with the results of the research. It then spread into most of the human population quite rapidly, excepting sub-Saharan Africa. Similarly, Y chromosome related studies also document how some types of mutations or other changes occurred around 40,000 years ago, originating in the Mesopotamia region, and spreading quickly into most of humanity, excepting sub-Saharan Africa.

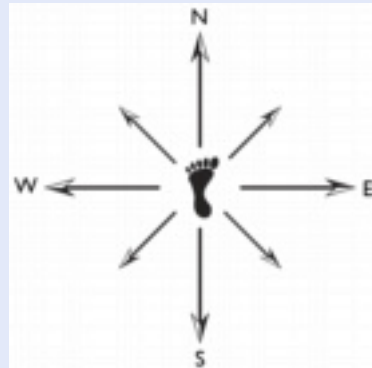
Follow up research comparing the spread of the introduction of new addition to the Microcephalin gene with the use of nontonal languages also showed a strong positive correlation. These correlations also track well with the migrations of Adam and Eve's descendants. Bruce Lahn, from the Howard Hughes Medical Institute at the University of Chicago and the lead researcher responsible for the studies on the Microcephalin gene, is no longer working in this area, having become discouraged because the research results and their interpretation further enflamed what is already such a controversial issue. See the [Eugenics, Race, and The Urantia Book](#) paper for a comprehensive review of *The Urantia Book's* statements on this subject. Support for *The Urantia Book's* story about Adam and Eve is also documented in the [Garden of Eden Report](#) and the [Gobekli Tepe Report](#).

[Read Adam and Eve Report...](#)

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### Magnetic Sensitivity Summary

[Updated 8/15/08]



*The Urantia Book* states that all organisms have a biologic sensitivity to the earth's magnetic field and that this sensitivity is right on the edge of human consciousness. At the time of its publication in 1955, scientists did not generally believe that biologic organisms could have a mechanism that is sensitive to such a subtle electromagnetic field. Now many migratory and nonmigratory animals have been found to possess such sensitivity and some researchers assert that human beings also can sense the earth's magnetic field.

*The Urantia Book* asserts that the "bodies" responsible for this sensitivity were being discovered right around the time of *The Urantia Book's* narration, which it asserts was in the mid 1930's. In the mid 1930's scientists did discover that ampullae in a sharks snout had tiny inner ear type hairs and that there were nerves running from these ampullae to the brain. They could also tell that sharks were sensitive to electric fields. But it took until the 1960's to discover that the mechanism in these ampullae were extremely sensitive to electromagnetic fields.

Additionally, "In the 1960s, Caltech paleoecologist Heinz Lowenstam startled biologists and geologists alike with the discovery that many animals do what conventional science had considered impossible: they manufacture substances such as the iron-containing mineral magnetite [the most magnetically sensitive mineral on earth] within their bodies. Out of Lowenstam's work came the more recent finding that many migratory animals, including birds, bees, and whales, generate magnetite within their bodies and may owe their uncanny homing instincts to the presence of this "internal compass" that allows them to navigate by means of Earth's magnetic field." Today, various biological mechanism have been discovered that play a role in allowing many different types of animals to be sensitive to the earth's magnetic field.

[Read Magnetic Sensitivity Report...](#)

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### Chromosome Count

[10/30/08]



The authors of *The Urantia Book* assert "there are forty-eight units of pattern control—trait determiners—in the sex cells of human reproduction." In 1955, when the book was first published, the general scientific community believed that human beings have forty-eight chromosomes; in 1956 researchers determined that there are, in fact, forty-six chromosomes. The sex cells are distinct from other (somatic) cells. This distinction, taken in light of the reference to the total number of "units of pattern control," supports an interpretation of *The Urantia Book* that is consistent with the now universal acceptance of forty-six as the correct number of human chromosomes.

*The Urantia Book* not only avoided supporting science that was incorrect at the time of publication, but also provided specific information that turned out to be consistent with what was about to be discovered shortly after its publication.

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