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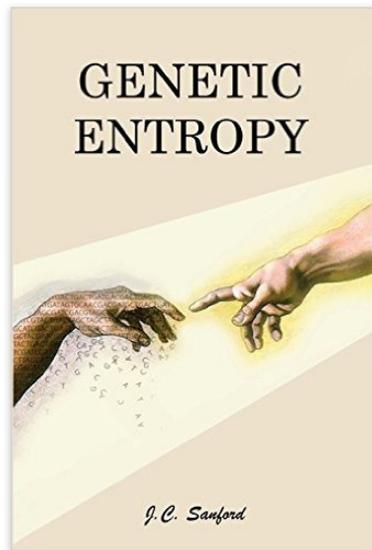
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by John C. Sanford (Author)

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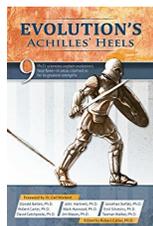
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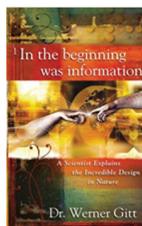
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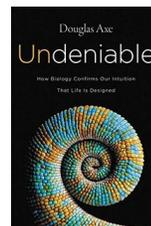
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About the Author

Dr. John Sanford has been a Cornell University Professor for more than 30 years. He received his PhD from the University of Wisconsin in the area of plant breeding and plant genetics. While a professor at Cornell, John trained graduate students and conducted genetic research at the New York State Agricultural Experiment Station in Geneva, NY.

At Cornell, John bred new crop varieties using conventional breeding and then became heavily involved in the newly-emerging field of plant genetic engineering. John has published over 100 scientific publications and has been granted several dozen patents. His most significant scientific contributions during the first half of his career involved three inventions: the biolistic ("gene gun") process, pathogen-derived resistance, and genetic immunization. A large fraction of the transgenic crops (in terms of numbers and acreage) grown in the world today were genetically engineered using the gene gun technology developed by John and his collaborators. John also started two biotech enterprises derived from his research, Biolistics, Inc., and Sanford Scientific, Inc.

John still holds a position at Cornell (Courtesy Associate Professor), but has largely retired from Cornell and has started a small non-profit organization, Feed My Sheep Foundation (FMS). Through FMS, John has conducted research in the areas of theoretical genetics and bioinformatics for the last 14 years. This book was the "first fruits" of those efforts.

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Strictly scientific look at genetic roadblocks to evolution

By [David C. Leumont](#) on January 4, 2009

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In my time studying genetics, the claims of evolution have never seemed possible. There are so many things that have to occur to create a protein (even more if you want a functioning protein), and there are so many things that can go wrong in protein manufacturing within a cell. So, when I saw Dr. Sanford's book, I had to give it a read to see what he had to say.

Stanford makes a superb case for genetic degradation rather than forward evolution. The author takes Kimura's, and many other noted geneticists' data (he cites Science, Nature and dozens of other peer-reviewed pubs) and instead of sweeping the data under the rug like population geneticists do (see Scientific American here for an example of this:[...] , he takes the data and applies it to evolution. (*Sanford uses more scholarly journals than the popular Sci Amer. I post that simply as a free means to view how population geneticists see the problems and then sweep it.)

Until looking up some of the sources, I was a little worried that Sanford was not making enough of a case for his initial claims. However, after looking at the sources, Sanford is working from widely held experiments. His changes come later in the application of the data. I will say that looking at the application of the data by evolutionary biologists and looking at Sanford's application, Sanford wins the logic test hands down. The only thing he lacks that the scientists he references is that Sanford is not blindly obedient to the Primary Axiom (the idea that mutation and natural selection drives speciation in evolution.) He simply takes that data logically and notes how the data contradicts the postulations of evolution.

Much of the data Sanford refers to varies slightly from publication to publication, but when he takes the data, he views it in two ways. First, he gives every advantage to evolution when going through the data, and shows how it is impossible for evolution to occur in those situations. Then he proceeds to look at the data from the most commonly held numerical value, and further degrades the chances of evolution to occur.

He deals a lot with probability, but not to an extent that a person unfamiliar with statistics can understand. Sanford uses down to earth analogies for what he postulates, and then goes on to state in more scientific terms the facts he is trying to convey from the analogy.

One does not have to have a firm grasp on genetics or evolution to read this text, but it would help you get more out of the book if you do. There is a glossary in the back, and only on tangential topics does he refer to a term that is not clearly defined for those not trained in biology.

Sanford takes on the tough data without sweeping it under the rug like the population geneticists do. (They do this because they unerringly believe in the Primary Axiom, and assume that since the Primary Axiom is true that this data can be swept under the rug by nebulous processes such as punctuated equilibrium, Muller's ratchet, and others (which he explains if you don't know what they are). the problem with this is the genetic data supports none of these processes, and Sanford attacks that in this writing.)

I would not classify this book as an Intelligent Design book, as he does not focus the majority of text on Intelligent Design. This book is a critique of evolution through genetics. If you want to read about ID, Sanford does allude to a designer at times, and invites people to Christ in his final 2-page chapter stating his beliefs in Jesus as Lord and Savior.

If you are looking for a book on genetic problems behind evolution, and would like to have resources in the book to explain terms and processes (in the glossary and appendices), then this is the book.

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a must-read for any biological scientist today

By [Tim Gilmour](#) on June 30, 2011

Format: Paperback **Verified Purchase**

The book was written for lay people, with simple pictures and analogies, but the scientific argument presented is extremely compelling and extremely relevant to medicine, health policies, and the design-vs-evolution debate.

Our genome is breaking down constantly, and the negative mutations are piling up faster than the positive ones. No known mechanisms of natural selection are sufficient to change this trend. This implies the falseness of the neodarwinist idea that our genome gradually arose over millions of years of random mutations and natural selection. Other proposed mechanisms such as endosymbiosis, gene duplication, synergistic epistasis, etc do not seem able to address the main problem of the degenerating genome, measured in the lab.

The hypothesis of the book continues to be confirmed by the latest scientific research. For example, the Wellcome

Trust Sanger Institute's recent whole-genome study measured approximately 60 new genetic mutations per generation (Nature Genetics, [...]). Two recent papers in Science show that antagonistic epistasis is far more common than synergistic epistasis, meaning that multiple mutations tend to cancel out any beneficial effect of each one individually and leading to "diminishing returns" ([...]).

On the whole, Sanford's book is well worth reading. It demonstrates yet another fatal flaw in the neodarwinian theory of evolution.

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outstanding book

By [Helen D. Setterfield](#) on February 7, 2012

Format: Paperback

"Genetic Entropy" has gotten some negative reviews by die-hard evolutionists whose mindsets run along the lines of "My mind is made up; don't disturb me with the facts." Sanford used to be an evolutionist and the facts themselves ended up causing him to swing to creation. Having made that trip myself, some years ago, I can guarantee it is a most difficult trip to make -- were all my teachers wrong, and the television shows, and the magazines? But the facts and the data speak for themselves and that is what Sanford presents here. He is speaking from his own professional field of expertise and he knows what he is talking about. Well worth the read.

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As a web developer his book makes sense to me

By [D. Dean](#) on February 15, 2013

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As a web designer / developer I work with code all the time. I would never expect random changes to the code of a site to cause the site to evolve into something bigger and better. No, what I'd expect is that the site would gradually deteriorate until it didn't work at all. Some changes could go unnoticed for a period while other changes would cause an immediate white screen of death. If this is true of code used to build websites it seems it would also be true for the code of life. As Dr. Sanford documents, scientists overwhelmingly agree that the human genome is deteriorating, not gradually improving as evolution would suggest. Random changes (mutations) to our code passed on from generation to generation are taking us on a downward track. Natural selection can slow the process but it can't stop it. This of course poses a huge threat to Darwin's theory. Dr. Sanford has proven himself in his field. His accomplishments deserve respect. Those genuinely interested in the debate should be sure to give his finding a hearing.

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Darwin gets dinged

By [scott](#) on July 28, 2013

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Dear Darwin just got it wrong. Man is not becoming more complex, but less complex. This book tells the fact that man and all of nature are in a downward spiral. Even genetics are under the second law

unexplained genetic jargon and the logically incoherent analogies it was not persuasive. [Read more](#)

Published 7 months ago by Scott Hansen

Genetic Entropy is real

Deep waters content. Very good book.

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"Genetic Entropy 4th Edition" by John C. Sanford:

We each choose to place our faith and trust in something, even the Atheists. [Read more](#)

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of thermal dynamics and nature proves it. Yes the so called "educated" ones will set up their straw man arguments and do double speak so they can avoid the facts, but who can argue with someone who is willingly ignorant of science? Learn why animals have become and are becoming extinct even when they are not being impacted by man. This book is written for the average Joe to be able to read it and share what he has learned with others.

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