

The Genesis One Code

Media Information Package

Author Daniel Friedmann

INDEX

MEET THE AUTHOR	1
ABOUT THE BOOK	2
MEDIA SHOWCASE	3
REVIEWS	4
IN THE MEDIA	5
BOOK EXCERPT	6
AUTHOR INTERVIEW Q & A	10
CONTACT INFORMATION	13

Meet the Author – DANIEL FRIEDMANN

Daniel Friedmann is a student of the origin of the universe and life on earth both from the scientific and biblical perspectives.

He is the author of *The Genesis One Code*, which demonstrates an alignment between the times of key events described in the creation narrative in the book of Genesis with those derived from scientific theory and observation. He is currently writing a second book entitled *Adam and the Homo sapiens* which will demonstrate an alignment between the key events and timeline recounting the appearance of humans in the book of Genesis with those derived from the fossil record and genetic [studies](#).

Born in Chile and raised in Canada, he is currently CEO of Canada's leading aerospace company which is involved in space exploration and the Hubble telescope. He is a professional engineer and holds a master's [degree in engineering physics](#). He has 30 years' experience in the space industry, having worked on projects in fifteen countries while throughout the decades conducting extensive scientific research. He has published more than 20 peer-reviewed scientific papers on space industry topics and cosmology. He is also a longtime student of religion.

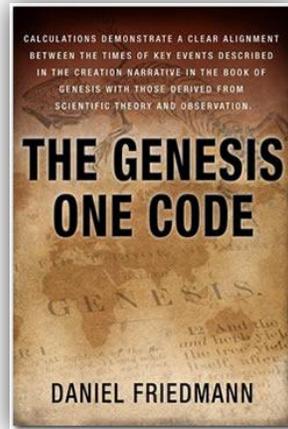
His work on reconciling the biblical account with scientific observation utilizing his biblical clock formula has been reported in various newspapers, magazines and radio talk shows. He is passionate about helping young adults put science and the Bible in correct context.

Daniel pedals to work, 45 minutes each way while listening to bible study lectures on an mp3 player. In summer months, the spry 56-year-old sea kayaks, hikes and rock climbs. From October to June, he loves skiing, especially in the backcountry.



Contact Information:
Daniel Friedmann
friedmann.daniel@yahoo.com
<http://danielfriedmannbooks.com>
Page 1

About the Book– The Genesis One Code



Were the heavens and the earth created 6,000 years ago, as the Bible suggests?

Or did the universe expand into existence nearly 14 billion years ago from a spontaneous “Big Bang”?

Both dates cannot be right. Or can they?

Imagine medieval manuscripts, written some 800 years ago, that could help us decipher Genesis and thereby pinpoint exactly when the universe began – an instant squaring, moreover, with our most up-to-date cosmological theories. Further, suppose these same manuscripts could help us extract from Genesis unequivocal timelines for the development of life on Earth, again precisely as identified by the latest scientific evidence derived from the fossil record.

The Genesis One Code carefully examines the relationship between scientific theory and biblical teachings. The book approaches the origins debate from a fresh perspective informed by both scientific and spiritual research. The book demonstrates an alignment between the dates of key events as described in Genesis 1 and 2 with those derived from scientific theory and observation. This alignment provides a compelling perspective deserving of thoughtful consideration.

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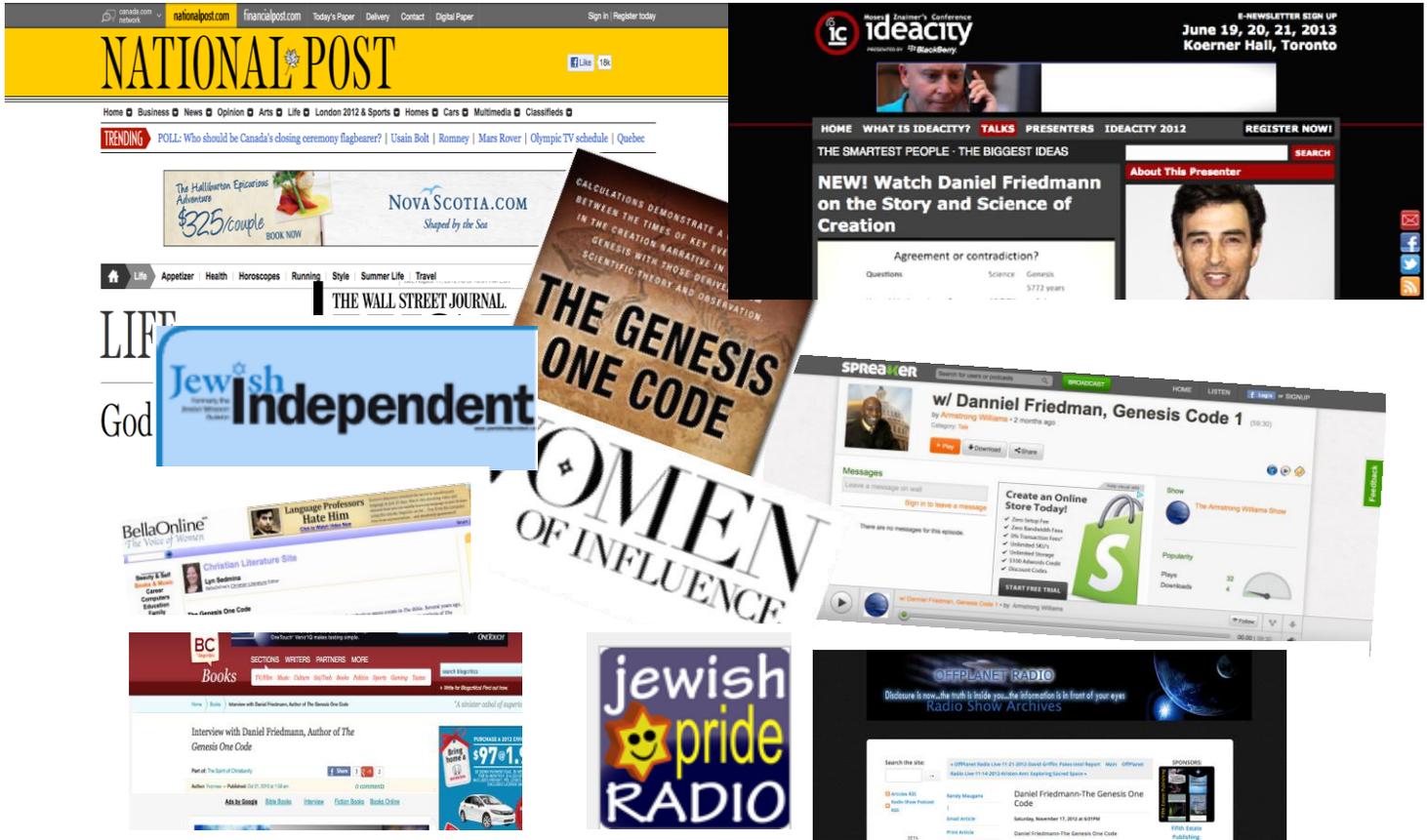
Daniel Friedmann

friedmann.daniel@yahoo.com

<http://danielfriedmannbooks.com>

Page 2

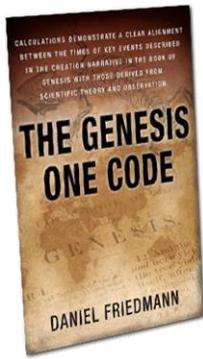
Media Showcase



**Author of the Worldwide Bestseller THE GENESIS ONE CODE.
Untreed Reads Bestselling Authors of 2012**

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Contact Information:
Daniel Friedmann
friedmann.daniel@yahoo.com
<http://danielfriedmannbooks.com>
Page 3



The Genesis One Code

by Daniel Friedmann

“How things started has been a hot topic since Darwin's theory of evolution and the subsequent discoveries of physicists and scientists throughout the subsequent centuries . Usually a book appears as a rant, decrying the 'other side' of the debate from the vantage of the writer's opinion: either the universe was created billions of years ago by a Big Bang OR it was created in a religious mystery of great beauty called Creation. The genuine pleasure of reading this book - THE GENESIS ONE CODE - is the gentle manner in which author Daniel Friedmann marries the two concepts, not debunking either, but demonstrating through his scholarship how he believes that scientific theory and spiritual theory enhance each other.

It is very helpful to understand the background of Daniel Friedmann and how he devised his concept, and from his biographical data we learn the following: `Daniel Friedmann is a student of the origin of the universe and life on earth both from the scientific and biblical perspectives. As author of The Genesis One Code, he demonstrates an alignment between the times of key events described in the creation narrative in the book of Genesis with those derived from scientific theory and observation. He is currently writing a second book entitled Adam and the Homo sapiens which will demonstrate an alignment between the key events and timeline recounting the appearance of humans in the book of Genesis with those derived from the fossil record and genetic studies. Born in Chile and raised in Canada, he is currently CEO of Canada's leading aerospace company that built the Canadarms, and is involved in space exploration and the Hubble telescope. He is a professional engineer and holds a master's degree in engineering physics. He has 30 years' experience in the space industry, having worked on projects in fifteen countries while throughout the decades conducting extensive scientific research. He has published more than 20 peer-reviewed scientific papers on space industry topics and cosmology. He is also a longtime student of religion and for the past 14 years has attended the Vancouver Kollel center for learning. His work on reconciling the biblical account with scientific observation utilizing his biblical clock formula has been reported in various newspapers, magazines and radio talk shows. He is passionate about helping young adults put science and the Bible in correct context.'

The Genesis One Code presents a careful examination of the relationship between scientific theory and biblical teaching, offering a fresh perspective informed by scientific and spiritual research. The book demonstrates an alignment between the dates of key events described in Genesis 1 and 2 with those derived from scientific theory and observation. This alignment provides a compelling perspective deserving of thoughtful consideration. What the book does not do is further separate the two visions of the beginning of the universe and the beginning of life: Friedman has taken the time to study the forms of the various names of the creator and the terms of the steps of development of the universe as we have grown to know it and to explore it, and in doing so he acts as the glue to bind both theories, putting to rest the hostilities of the arguments from both sides as being the only way conceivable!

*Whether the reader enters this discussion from the purely religious side or from the purely scientific side, the one (of many) points that Friedman makes is that there is no reason for combative separatism. His honesty and humility are most welcome, no matter the preconceived notions of the reader.” **Grady Harp, Hall of Fame Reviewer***

Contact Information:
Daniel Friedmann
friedmann.daniel@yahoo.com
<http://danielfriedmannbooks.com>
Page 4

In The Media

Story and Science of Creation

ideacity, June 14, 2012

<http://www.ideacityonline.com/talks/daniel-friedmann-story-science-creation/>

God meets science: In a new book, the two get along quite well

The National Post, June 09, 2012

<http://life.nationalpost.com/2012/06/09/god-meets-science-in-a-new-book-the-two-get-along-quite-well/>

Physics Engineer Daniel Friedmann's Formula Provides Key to Biblical Clock

The Wall Street Journal, April 18, 2012

<http://online.wsj.com/article/PR-CO-20120418-906181.html>

The David Berner Show

<http://davidberner.com/shawtvshow.php>

The Ringside Politics With A Punch

990 WGSO New Orleans, May 17, 2012

<http://tunein.com/radio/WGSO-990-s29157/>

Unraveling Our Origins

Jewish Independent, March 23, 2012

<http://danielfriedmannbooks.com/wp-content/uploads/2012/06/jewish-independant.pdf>

The Genesis One Code: An interview with the author

The Catholic Science Geek, January 19, 2012

<http://danielfriedmannbooks.com/wp-content/uploads/2012/06/BarbaraSoares.pdf>

The Genesis One Code: An interview with the author

The Armstrong Williams Show, June 2012

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The Genesis One Code: An interview with the author

Jewish Pride Radio, Nov 2012

<http://www.blogtalkradio.com/jewishprideradio/2012/11/14/interview-with-daniel-friedmann--the-genesis-one-code>

The Genesis One Code: An interview with the author

OffPlanet, Nov 2012

<http://offplanetradio.com/podcast/daniel-friedmann-the-genesis-one-code.html>

Contact Information:

Daniel Friedmann

friedmann.daniel@yahoo.com

<http://danielfriedmannbooks.com>

Page 5

Book Excerpt

Chapter 3

The Science Answer

Has the scientific method produced a timeline for the development of the universe and the appearance of life on earth?

If so, how complete is this information?

The Big Bang theory is the scientific answer that explains and provides a timeline for the development of our universe. This well-tested theory is one of the most remarkable successes of modern science.

Evolution is the scientific theory to explain the appearance of life on earth. The fossil record documents the history of the appearance of life on earth. Fossils paint a clear picture of the timeline for the appearance of life over the past 3.5 billion years. This account is a record that is independent of any theory, such as evolution, because it simply documents the timing of fossils as they are discovered, categorized, and dated.

The purpose of this chapter is to examine what both the Big Bang theory and the fossil record findings tell us about the timeline for the development of the universe and the appearance of life on earth. The information in this chapter summarizes the current state (as at 2011) of scientific knowledge, relying upon peer reviewed articles and books written by well-known scientists.

As discussed in Chapter 1, the scientific method provides a robust way to measure things (such as the age of bones) and to develop explanations and theories of our universe and the world. Over time, the scientific method has been proved to arrive at correct results, as long as these results can be tested. The scientific method has consistently yielded outstandingly accurate and useful results on which we rely, and in fact trust, in our lives every day. There is no reason to doubt the fundamental accuracy of the body of knowledge comprising the Big Bang theory and the age and nature of the fossil record, although refinements continue to emerge on a routine basis.

A comparison of the Genesis creation narrative to scientific findings cannot be made without first understanding that tested theories and measurements produced by the scientific method are by and large accurate.

Contact Information:

Daniel Friedmann

friedmann.daniel@yahoo.com

Page 6

Book Excerpt

Chapter 3

The Big Bang Theory

Overview

What is known as the Big Bang is the prevailing cosmological theory of the universe's origins and development. According to the Big Bang model, the universe, originally in an extremely hot and dense state, expanded rapidly. It has since cooled by continuing to expand to its present diluted state. Based on the best available measurements, scientists have determined the original state of the universe existed about 13.7 billion years ago. The theory offers the most accurate, logical explanation supported by current scientific evidence and observations.

This model of cosmology rests on two key ideas that date back to the early 20th century: general relativity and the cosmological principle. General relativity—or the general theory of relativity—is the theory of gravitation published by Albert Einstein in 1915. It remains the consensus in modern physics, providing a unified description of gravity as a geometric property of space and time.

The cosmological principle is the working assumption that observers on earth do not occupy a restrictive, unusual or privileged location within the universe and thus, there are no preferred directions or places in the universe. This means that all the matter in the universe is on average distributed uniformly.

Taking under consideration the law of gravity and formulating an assumption about how matter is distributed, the next step is to assess the dynamics of the universe—how space and the matter within it evolves over time. The details depend on further information about matter in the universe, namely its density (mass per unit volume) and its pressure (force it exerts per unit area). But the generic picture that emerges is that the universe started from a very small volume with an initial expansion rate. For the most part, this rate of expansion has been slowing (decelerating) due to the gravitational pull of the matter on itself. However, recently this expansion has begun to accelerate owing to the effect of hypothesized dark energy, which has the opposite effect of gravity (i.e., it causes matter to separate).

Tuning the Theory to Match Observations

Today, we can accurately measure large properties of the universe with space-based and land-based instruments. Using these measurements, we can determine a dozen or so cosmological parameters that define the properties

Contact Information:
Daniel Friedmann
friedmann.daniel@yahoo.com
Page 7

Book Excerpt

Chapter 3

the universe. When these parameters are used in the Big Bang theory, the theory predicts results that match current observations.

Five key sets of observations comprise the measurements that are used to determine the cosmological parameters:

- (1) distance measurements to nearby stars
- (2) distance measurements to remote astronomical objects
- (3) microwave background (i.e., radiation left over from an early stage in the development of the universe) and its sound spectrum
- (4) maps of how fast the galaxies are moving
- (5) light element abundances (i.e., ratio in which the lightest elements are present in the universe).

Although each of the above measures only one or two parameters, when combined they form an amazingly powerful tool for measuring all cosmological parameters to a high level of precision.

The best-fitting parameter set is called the concordance model. It is the remarkable ability of completely different observational sets to zero in on the same parameter values that have led to an endorsement of the Big Bang theory by the scientific community.

After the parameters are determined, the Big Bang model is calculated by computer to predict and date events from the beginning of time until now.

The Timeline Predicted by the Big Bang Theory

The theory develops a very detailed technical timeline for the first several seconds of the universe's existence, which however will not be reproduced here as this involves a level of detail that is not obtained from the biblical Genesis account.

The following text (Table 3.1) describes the development of the universe as predicted by the theory, indicating the time frame as a sequence from the beginning (at time zero) until now, and describing the main observable events at each time period.

Contact Information:
Daniel Friedmann

friedmann.daniel@yahoo.com

Page 8

Book Excerpt

Chapter 3

Table 3.1 Timeline for the Development of the Universe

Time	Description
The first three minutes Early phase of the Big Bang	From an initial condensed energy mass, space and time, forces of physics, and the elementary particles are formed, including dark matter and normal matter building blocks. As will be seen later, all parameters of the universe are somehow tuned miraculously to create an inhabitable universe.
Three minutes Hydrogen appears	As the universe expands, the temperature falls to the point where atomic nuclei can begin to form. Protons (hydrogen ions) and neutrons begin to combine into atomic nuclei in the process of nuclear fusion. However, this only lasts about seventeen minutes, after which time the temperature and density of the universe have fallen to the point where nuclear fusion cannot continue. At this time, there is about three times more hydrogen than helium-4 (by mass) and only trace quantities of other nuclei. All other elements in the universe are formed much later due to nuclear reactions in stars—a process known as nucleosynthesis.
5–200 MY (million years) The Dark Age	By 5 MY, most photons (light) are in the infrared spectrum and the universe appears dark. Atomic gas continues to fall toward the dark matter clumps, which grow more pronounced. Near 100 MY, the densest clumps halt their expansion and begin collapsing (due to their own weight). By 200 MY the first mini-halos of dark matter form, and within these the atomic gas cools and collapses to make the first stars, whose light brings the Dark Age to a close.

Author Interview Q & A

1. What was the motivating factor to writing the book?

To become an engineer I studied engineering physics, which had a large physics and cosmology component. I realized then that some answers were missing in science, and continued to search for them both in science and in Kabbalah, which I began studying 13 years ago.

2. Why now?

Once my nephews entered high school and university, I found they had similar questions, and in discussions with them, I became motivated to work harder on the issues.

3. How long did it take to do the research, write the book, find a publisher and have it published?

I have worked on and off on the issue for a dozen or so years. However, once I focused on this topic it took about 18 months of dedicated work. The bulk of the writing occurred in parallel with the research as I tried to rigorously document what I was finding. Then it took a further few months to write the introductory and background chapters.

4. What was that process like?

Initially I searched for publishers that I thought would be interested in this topic and wrote individual letters to them - this was a slow process and produced no results. Then I found an online service to blast an email to 250 publishers that yielded interest from 20 or so, and finally 3 publishers and one agent were willing to go ahead with the book. From the initial email blast to signing a publishing contract took about 2 months. The publishing process was quick, about 4 months, and very focused on editing and formatting.

5. Can you describe your various types of education, both secular/academic and Jewish?

My secular education is in the sciences with a specialization on physics and electrical engineering. My religious education was pretty elementary until about 12 years ago when I started attending regular studies

6. The book is organized from the perspective of time -- physical dynamics of the universe all the way to the human/anthropological. How did you choose how to order the book?

The order of the book was natural - I started at the beginning of time and then moved forward chronologically.

7. How did you pick the points to compare?

The chronology of Genesis and science agree for almost everything so it was straight forward to compare everything. The points of comparison focused on the events described in Genesis. Although science has a more detailed chronology Genesis contains the key highlights.

Contact Information:

Daniel Friedmann

friedmann.daniel@yahoo.com

<http://danielfriedmannbooks.com>

Page 10

Author Interview Q & A

8. Who is the audience for this book, primarily?

My main target audience is the 15- to 30-year-olds that come out of our secular system believing science has all the answers and the Bible has become somewhat irrelevant at explaining our origins. I wanted them to know that the Bible actually has answers to questions that remain unanswered by science. Since I started writing the book, I have seen interest from all ages.

9. How has the book been received, both by those in the religious world and those in the scientific community?

The book is being well received by much of the religious world - although some of those that hold to a literal 6-day interpretation of Genesis have issues with it. A number of scientists have read it and found it thought provoking.

10. Is there one big hurdle that stands in the way of reconciling creation with science or is it a series of mini-hurdles? Do you see society going towards a reconciliation – ever? Is there some aspect of the two that you cannot reconcile or that remains unanswered for you that you would like to explore in future, either in a follow-up book or in another format?

Most items reconcile. The one exception is the age of the earth. The biblical timeline predicts a much older earth than science currently holds. The book discusses this in detail.

The whole history of Homo sapiens is not dealt with in the book and is the subject of my next book - Adam and the Homo sapiens. I am happy to report that here too there is good agreement between our religious sources and the latest science.

11. What Makes Your Book Unique?

The Genesis One Code is the first book to rigorously reconcile the religious and scientific accounts of our origins, written in response to most people's quandary about the origins of the universe and life, and the seemingly incompatibility between the biblical description and the latest scientific findings.

Contact Information:

Daniel Friedmann

friedmann.daniel@yahoo.com

<http://danielfriedmannbooks.com>

Page 11

Author Interview Q & A

12. Is there one big hurdle that stands in the way of reconciling creation with science or is it a series of mini-hurdles? Do you see society going towards a reconciliation – ever? Is there some aspect of the two that you cannot reconcile or that remains unanswered for you that you would like to explore in future, either in a follow-up book or in another format?

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13. What do you hope non-scientist/religious scholar readers will take away from your book?

My main hope is that they will look at the science presented in the book, take it seriously, not dismiss it, then feel a need to reconcile it with the Bible, and explain that reconciliation to our young adults. In this way young adults will see the Torah in agreement with observation of the creation made via the scientific method.

Contact Information

PUBLISHER
Park East Press, Inc.
420 Lexington Avenue, Suite 300, NY, NY 1017
PUBLISHER EBOOK
Untreed Reads LLC
506 Kansas Street, San Francisco, CA 94107
AUTHOR
Daniel Friedmann
friedmann.daniel@yahoo.com
(604)737-0840
FACEBOOK
http://www.facebook.com/pages/The-Genesis-One-Code/141524692605591
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