

There's Nothing Random About the Universe

Not Pi, Not Phi, Not the Fine Structure Constant,
Not the Convergence of the Calendars on the Year 2018
nor to what it All Points

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Part I

PHI

Chapter 1

Why was Da Vinci so Drawn to Phi?

This Book is mostly concerned with Pi, and how it most certainly is not a random generator of numbers, but an integral piece of a cosmic puzzle with very *definitive* messages for us.

There is another primordial mathematical constant, though; one that also came into being at the exact moment of Creation and that is Phi (1.61803399...).

The Greeks called it the golden mean because it governs all the spiraling growth in the universe, from the petals on a flower and the branches of a tree, to our DNA and the arms of the Milky Way. Just like Pi, which mathematically bends a straight line into a circle regardless of its size, so too does Phi dictate the proportions and the angles in which a natural spiral grows.

Phi is considered golden for another reason; everything that's built using the phi proportion (1.61803399 : 1) is said to be in perfect harmony visually, spatially, and spiritually, and this resonates with our senses and sensibilities.

Phi is such an interesting and important number that there is a journal dedicated just to it and the innumerable curious equations that can be derived from it and innumerable places the Phi proportion keeps popping up. There have been hundreds of published volumes on Phi. And while Pi is supremely important to the physical structure of the universe, phi is similarly so to its soul.

Based on the unceasing redundancy that we've found in the hidden coding of the Torah and in the historic and Biblical calendars, and based on the highly implausible scenario of Man creating either the Torah or his own historic trail without a heavy dose of divine intervention, our premise is that we'd expect the same dates and coded messages to be equally redundant in the primordial constants that have shaped our universe since the dawn of time.

In this Book though, we're going to limit the scope of our discussions to certain aspects of these primordial constants

because we already go into them in greater depth in *The Genesis Prayer*, where our focus is on how they are all linked inextricably to the Bible and to the **42**-letter Name of G-d, and again in the *The Divine Calendar*, where our focus is on how they are connected to our Biblical and physical history.

We are also going to limit our focus on a certain very few key numbers/dates in order that we can go deeper into our discussions of them and of their importance and not get distracted and overloaded with a multitude of peripheral numbers.

Chapter 2

Can a Constant that Controls the Movement of the Milky Way be Designed to Focus on a Single Point in Time?

If you've read *The Divine Calendar* then you already know what the number and year **5778** signifies. So how surprising is it that of all the whole numbers in infinity there is only one that is truly unique in how it interacts with Phi.

Phi is an irrational constant whose digits go on and on infinitely, so dividing or multiplying by it should only infrequently give us a whole number. Well, actually, it never can, but if we set our criteria as the rounding off of the resultant numbers at three or more decimal places (i.e. 2207.0001) then we should come up a relatively small, yet still sizeable set of numbers, given that we're considering all the known whole numbers in the universe.

Now, Phi has a very special property and that is that when we square it (multiply it by itself) it is really the same as adding a 1 to the number, meaning that 1.61803399 squared is 2.61803399. And the same holds true when we take the inverse of Phi, or 1/Phi, which is 1/1.61803399, and get .61803399, which is precisely 1 less than Phi.

This special property is what actually gives Phi the ability to form spiraling effects on numbers, matter, and on energy. But be that as it may, any irrational constant, including Phi, when multiplied by itself or any other non-whole number for that matter will give another irrational number, and thus give us the same unlikelihood of getting a whole number rounded off to 3 decimal places.

We should note here that Phi is actually based on the square root of the number **5** and the importance of this will become obvious, even if you haven't read *The Divine Calendar* yet, as we unfold the connections to the Torah and the number **5** for you later in this book.

Now, we said all this preamble because there is one number that is not only part of that short set of numbers wholly divisible by phi (**1.61803399+**) to 3 decimal places, but its equally so by **Phi²** and by **1/Phi**. Moreover, it's also part of an even smaller set that's also wholly divisible to the same extent by **Phi³** and also by **(Phi²+1)**, **(Phi-**

1), $(\Phi-1)^2$, and $(\Phi-1)^3$, and also $(\Phi-2)$, and also $(\Phi-3)$ and by (Φ^2-4) and $(\Phi^3-4)^2$ too.

Even given an infinite set of numbers to work with, the resultant set of numbers that can do this is getting quite limited and most of them if they exist, are only multiples of **5778**.

That a number even exists which can be evenly divided by several different endless irrational constants is mind boggling, but that relatively miniscule set **dwindles down to just a single number** when we further apply the criteria of dividing it by Φ^{-1} , by Φ^{-2} , Φ^{-3} , by $(\Phi^{-2} + 1)$, and $(\Phi^{-6} + 1)$ and by the square root of **5** as well, or in mathematical notation $\sqrt{5}$.

Chapter 3

What Does the Square Root of 5 have to do with Phi?

The square root of **5** is an integral part of the constant Phi and it's not just from a mathematical point of view, but from a physical one as well. The golden mean is golden because its proportions are always the same and always naturally harmonic. In other words, as opposed to being discordant, they seems innately to make sense to us, even just by eyeballing them, or just by being in a room designed using them, like many of the Gothic churches of Europe were.

It's also a very simple proportion between two lengths of lines, such that if a third length were drawn equal to the sum of the two other lengths they'd all have an equal ratio between them. And this is the whole reason it spirals outward into ever-greater distances, but always with the same shape and proportion.

When we speak of Golden Rectangles, the simplest one has a shorter side of 1 and longer side of 2. So you see it's easy to build a room to this golden proportion, say 10 ft by 20 ft. It's where you place the next room and or the entrances to the room or the furniture or fireplace that then determines whether you've continued the Phi (golden) proportion or have broken it up discordantly.

If we were to take the diagonal of that room we'd have to apply Pythagorean's theorem, which you might recall from 9th grade geometry, is $a^2 + b^2 = c^2$ with c being the diagonal or hypotenuse of the triangle formed by slicing the rectangle diagonally into two halves.

What results from this is that the diagonal of our perfect rectangle is the square root of $(1^2 + 2^2)$, or written in mathematical notation $\sqrt{5}$, and without getting any deeper into the mathematics and geometry of Phi, that's how $\sqrt{5}$ ended up being naturally part of the derivation of Phi.

All that said, there actually exists a number that is not only divisible into a whole number by all those derivatives of Phi mentioned above when rounded off to 3 decimal places, but is also equally so when divided by $\sqrt{5}$, and by $2\sqrt{5}$, and by $22\sqrt{5}$, and also by $23\sqrt{5}$, and by $17\sqrt{5}$ and also by $19\sqrt{5}$ as well, all to 4 or even 5 decimal places before being rounded off. It even holds for any multiple of $2x(17)\sqrt{5}$ and $2x(19)\sqrt{5}$ for x = any positive integer.

And that single unique number is **5778**.

Chapter 4

And that single unique number is 5778.

For some reason beyond explanation **5778** and **Phi** were designed to interact, and **5778** was made to stand alone within all the numbers in the known universe.

Why would this be possible?

Why it's possible for a number to stand out so is difficult to say and maybe not for us to say at all. But we can explain a little bit about the mechanism and the why might get clearer as you get deeper into this book.

The next series of minor revelations may shed some light though on the process by which **5778** became so unique. When we divide **5778** by **Phi** raised to the power of **15**, or **Phi¹⁵**, it equates to approximately **4.24**, which is the numerical value of *Mashiach Ben David*, the Messiah, Son of David.

Then when we divide **5778** by **Phi** raised to the power of **16** we get **Phi²**, or written as an equation, $5778 / \text{Phi}^{16} = 2.61803399 = \text{Phi}^2$.

Then when we divide **5778** by **Phi** raised to the power of **17** we get **Phi**, or written as an equation $5778 / \text{Phi}^{17} = 1.61803399 = \text{Phi}$.

And finally when we divide **5778** by **Phi** raised to the power of **18** we get **1**, or written as an equation $5778 / \text{Phi}^{18} = 1.0000000....$

Therefore Phi¹⁸ = 5778 and **the square root of 18 = 4.242640**, once again the numerical value of *Mashiach Ben David*, the Messiah, Son of David. And this time followed by the numerical value of the Tetragrammaton, **26**.

We can begin to understand that there is a dynamic occurring here and that **5778** didn't accidentally become unique. Regardless of how we want to read this, **5778**, **Phi** and the number **18** are integrally and dramatically linked together.

It's interesting that $17\sqrt{5}$ and $19\sqrt{5}$ bound $18\sqrt{5}$ on both sides.¹ It's the same with dividing **5778** by Phi raised to the power of **6** less **17**, and also **19**. In other words we get a resultant whole number to 3 decimals places or more when with the equation $5778/(\text{Phi}^6 - 17)$, and also with $5778/(\text{Phi}^6 - 19)$.

It's as if the numerical universe were zeroing in on **18** and **5778**.

And $5778/(\text{Phi}-1)^{18} = 33385284 = 5778^2$.

And as we learned in *The Divine Calendar*, **3338** was the year the First Temple was destroyed. This also means that $(\text{Phi}-1)^{18} = 1/5778$.

$$\begin{aligned} 5778 / \text{Phi}^{18} &= 1.0000000 \\ \text{Phi}^{18} &= 5778 \\ \sqrt{18} &= 4.242640 \\ 5778 / (\text{Phi}-1)^{18} &= 5778^2 \\ (\text{Phi}-1)^{18} &= 1/5778 \end{aligned}$$

What Does $\text{Phi}^{18} = 5778$ Mean?

The equation $\text{Phi}^{18} = 5778$ simply means that **5778** is the **18th** power of Phi. And as a derivative of Phi itself the number **5778** might be expected to work out to a whole number, or nearly a whole number, at some point.

¹ Five(5), but possibly more significant 17 and 19 are part of the exceedingly rare set of Mersenne primes, meaning that they satisfy the equation for being prime numbers such that $M_n = 2^n - 1$. They are the 6th and 7th Mersenne Primes, which is also probably significant as the dimensions of the 42-Letter name Matrix are 6 by 7, but that will be better understood in the course of this book. The prime number 67, the numerical value of the dimension of *Binah* (understanding), also connected to the 42-Letter Name, is another of the Mersenne Primes, a set of only 12 numbers up to $n = 127$, making M_{127} an enormously large number of 39 digits.

But that doesn't answer what the significance of **18** is, or why it had to equal **5778**. **And it certainly doesn't explain why 5778 in the Hebrew calendar is 2018 in the Gregorian or Western calendar.** Once again **5778** and **18** linked together.

If you've already read *The Divine Calendar* you already understand why that is and don't believe the **18** in **2018** and in $\text{Phi}^{18} = \mathbf{5778}$ to be coincidental. As you read *this* book you'll also come to *know* that it wasn't.

5778 is the 18th Power of Phi

or

**phi x phi x phi x phi x phi x phi x phi x phi x phi
x phi x phi x phi x phi x phi x phi x phi x phi x
phi = 5778**

5778 HC = 2018 CE

$\text{Phi}^6 \times \text{Phi}^6 \times \text{Phi}^6 = 5778$

$6+6+6 = 18$

That established, let's look at Pi.

Part II

Pi: The First 12 Digits

31415926535897932384626433832795028841971693993751058209749
4459230781640**628620**8998628034825342117067982148086513282306
64709384460955058223172535940812848111745028410270193852110
55596446229489549303819644288109756659334461284756482337867
83165271201909145648566923460348610454326648213393607260249
14127372458700660631558817488152092096282925409171536436789
25903600113305305488204665213841469519415116094330572703657
59591953092186117381932611793105118548074462379962749567351
88575272489122793818301194912983367336244065664308602139494
63952247371907021798609437027705392171762931767523846748184
67669405132000568127145263560827785771342757789609173637178
72146844090122495343014654958537105079227968925892354201995
61121290219608640344181598136297747713099605187072113499999
98372978049951059731732816096318595024459455346908302642522
30825334468503526193118817101000313783875288658753320838142
06171776691473035982534904287554687311595628638823537875937
51957781857780532171226806613001927876611195909216420198...

Chapter 5

Why have so many bright people been so intrigued by Pi?

Because it goes on and on. Because our physical structure depends on it. And because if a discernable pattern could be found somewhere deep within it, anywhere, it would mean that not only is Pi not random, but that it was created by the same infinite wisdom that created the universe and not just by the natural forces of the universe.

Should we Search through Pi Endlessly?

The ancient sages provide the answer to that question. Rather than look to the effect, look to the cause. In this and all cases that means looking to the beginning or seed level of Pi. To the ancient sages the number **1000** represented a completion, a culmination of 3 orders of magnitude, which was extremely relevant to their **10**-dimensional tri-polar structure of the universe.

So since Pi is supposed to be an endless irrational constant that trails off to infinity with an endless, or seemingly endless, array of digits, perhaps we'd be justified in only examining its' first **1000** digits, literally and figuratively examining the head that wags the tail.

Arguably, Pi was created by nature, or G-d, at the dawn of existence. And as a reflection of physical curvature, it's thus a reflection of the shape of all physicality. Thus whatever was built into the structure of Pi was also built into the structure of all physicality.

Furthermore, the deeper we go into Pi, the more nuanced its effect on our physics (i.e. bending a line 3.14 times around into a nearly complete circle has much more impact, than bending it .00159...

further). Hence, our choice to limit ourselves to the beginning of Pi is to better understand our essential nature at its seed level and at its more visible and comprehensible nature.

The First 1000 Digits

What's our Criteria?

In this paper, we concern and limit ourselves to either the numerical strings—a fancy name for numbers—that we find within the first **1000** digits of Pi, or in their location within that linear matrix. The determination of the location is the simplest of all the systems we could have used. Basically, if you count 3 digits into Pi, starting with the 3, you are at digit # 3, which based on Pi being 3.1415926... is the number 4.

And by limiting ourselves to this 2-dimensional view and this limited array of sequential numbers we hope to expose how complex the structure of Pi is even on the simplest of levels, and how it's anything but irrational.

The other parameters we'll limit ourselves to are the sum of the numerals (numbers) in Pi, always from and including the first numeral **3**, up to a specific digit. Then we would consider either the log or square root of that sum, or alternatively the pertinent numerical string found at that location. For example, given Pi as 3.14159265**3589**, we might point out that at digit #**10**, we have the numerical string, also known as the number, **358**, which to us is pertinent because it's the numerical value of the Hebrew word for *Mashiach*, the Messiah. Since the earliest usage of the Hebrew language the Hebrew letters have had specific numerical values assigned to them, allowing the ancient scholars and also the modern ones to sum them up and thus determine specific word values. This science is known as gematria.

And of those derivative and resultant numbers that we'll come up with we're only going to concern ourselves with their first few consecutive digits.

By thus limiting our scope and purview we hope to avoid the obvious assumptions that one can find anything anywhere and draw connections to it with anything if they have enough numbers and latitude to work with.

What does Limiting Ourselves to the First 1000 digits Imply?

It's true, the choice of truncating Pi at **1000** digits and not at 1017 for example, or 5200 for another, might seem arbitrary. But **1000** is a symbol of completion of three cycles of **10**, in other words, of **3** orders of magnitude (10^3). And the entire ancient Tree-of-life system is based on the number **10**; as is our base-**10** mathematical system, which we use for nearly everything in life that's not computer code; and as is the **10**-dimensional structure of the universe that most modern physicists agree upon. So **1000** digits might not be a bad choice after all.

Moreover, the first letter of the Hebrew alphabet is *Aleph* and the word for **1000**, *eleph*, is spelled exactly the same way, which is why aleph the beginning is said to represent **1000**. But the numerical value of the Hebrew words for end, *ketz*, is also **1000**, as are the word *Tam* and *Tom*, meaning whole completeness and perfection respectively. So it seems utilizing and focusing on the first 1000 digits alone has both a practical and spiritual component heavily rooted in ancient science.

What does 1000 have to do with the Tree-of-Life?

Since Pi begins with **3**, it's not so farfetched to utilize the number **3** as the exponent in 10^3 . In the ancient Tree-of-life structure, as with our most common physics, **3** symbolizes unification (positive, negative, neutral), and **10** symbolizes completion of a level. Moreover, in the simple and well-known 2-dimensional depiction of the Tree-of-life the 10 dimensions or spheres are connected by **22** paths represented by the **22** letters in the basic Hebrew alphabet. These **22** letters connect to **22** different archetypes of cosmic energy.

Think of light bulb, without the neutral filament separating the positive and negative electrical poles there would be no light. And since what we seek is illumination, let's look closer at that ancient Tree-of-Life structure itself. There are **10** concentric spheres, each **10%** smaller than the outer one, so a few simple calculations reveals that it takes exactly **22** iterations to descend one order of

magnitude from 1000 to 100 and another **22** from 100 to 10 and yet another **22** from 10 to 1, each iteration being a reduction of **10%** of the prior resultant reduction. Therefore, it takes a total of **66** iterations to descend all **3** orders of magnitude, from **1000** to 1.

Is there an Initial Sign?

That connection to **66** becomes more relevant once we examine the first **1000** digits in Pi. At digit # **855** within Pi we find the numerical string 1,0,0,0 or simply **1000**, and if we add up all the **855** digits that we've passed through to get to the string ...**1000**, we get a sum total of **3804**. And since the sum total of all the first **1000** digits in Pi is **4470**, the remaining digits sum to **4470 - 3804**, or **666**.

Is this Nothing More than Reading Tea Leaves?

And what at this point may seem like reading tea leaves, and shortly will not, when we observe that just mentioned string "**1000**" within the first **1000** digits of Pi, we see that it is immediately preceded by the numerical string **10** and immediately followed by the number **3**. And just perhaps if you suspend your disbelief until it all unfolds for you in the next few pages, you can see that together they could very well represent a symbolic **10³**. And then just perhaps the fact that log of the sum of the digits through that string "**1000**" at digit #**855** is **Log (3804) = 3.580...** will have some meaning for you, seeing as **358** is the gematria numerical value of the word, *Mashiach*, Messiah.

Or perhaps the fact that the log of the sum of the digits through the **1000th** digit is **Log (4470) = 3.650...** will have some meaning too since **365** is the number of days in solar year, whose relevance will soon become quite apparent. And to those of you who have already read *The Divine Calendar*, you may have noticed that **3.650-3.580 = .70** and since the **70** year time span was repeated so often and was so critical to the Biblical and the historic calendar (i.e. the destruction of the Second Temple in **70 CE**)

And perhaps it's just a coincidence that the numerical string **1000** ends at digit #**858** and the square root of **4470**, the sum of all the first **1000** numerals in Pi, is $\sqrt{4470} = 66.8580$, considering that the "**66**" in **66.8580** brings us right back to the **66** iterations needed to descend through the **3** orders of magnitude from **1000** to 1.

So all this might just be coincidental. It's true, and we're not going to argue that it's not, not at this juncture anyway. If we climb a building and count 10 steps in the first and second flights, it may just be coincidence, but if we keep climbing and find each and every flight of stairs has 10 steps in it, at some point we eventually come to the conclusion that the building was purposely designed with 10 steps per flight. The statistical odds will keep piling up.

And yes, fixing our attention on the first 1000 digits is arbitrary, maybe, but then again, maybe not. Maybe not for the purposes of finding *a hidden truth buried right beneath the surface* and not some 6 trillion digits deep into an endless sea of.

And maybe not if we utilize the not so subtle hint of **3**, and start off by concerning ourselves with numerical strings repeated **3** times within those 1000 digits. Let's see.

Chapter 6

What does Pi have to do with the Torah?

Whatever your preconceived beliefs about the ancient science of gematria, how can we rationalize gematria's revelation that Pi is built right into the Torah's first verse?

It's as if the author of the Torah wanted to legitimize both the science of gematria and the Torah itself right up front. And what does it mean that Pi, arguably not created by man, was built into the Torah's first verse thousands of years before man could do the necessary calculations, or supposedly even understood what Pi was?

If you've read *The Genesis Prayer* then you already know that Pi can be derived accurately from the numbers in the Bible in multiple places and in multiple ways, all to an astounding degree of accuracy.

One such place is the first verse in Genesis, in which there are **28** letters and **7** words, and since we can multiply the value of the **28** letters individually and similarly the **7** words individually we can easily construct the following equation, whereby the product of the individual letter values over the product of the individual word values times the number of words over the number of letters gives us Pi:

$$\frac{(28 \text{ (letters)})}{7 \text{ (words)}} \times \left(\frac{P_{s.gematria}(28 \text{ letters})}{P_{gematria}(7 \text{ Words})} \right) = 3.141545078 * 10^{-07}$$

$$\text{or } (28/7) \times (23887872000/30415352578 \times 10^{17}) = 3.141545078$$

It works out the same whether we use small gematria or standard gematria, just the decimal places changes, and the variance from true Pi regardless is in the order of .0012142%.

Whether you believe the Torah to be manmade or divinely created, and whether you believe it to be created before Creation or around the time of the Exodus from Egypt (1312 BCE), it was still created

long before Man knew how to calculate Pi. But then again, maybe it's just coincidence?

Chapter 7

Phi and the Bible

Does Phi Similarly Relate to the Torah?

Let's briefly take another look at the constant Phi and see how it too interacts structurally with the Torah. The Torah has certain definitive quantifiable elements and as discussed in *The Genesis Prayer* and numerous other papers of ours, the Torah is also built around a certain few key core numbers that get reflected again and again in fractal fashion throughout the Torah and throughout the equations and mathematical constants that interact with it.

That said, the sum total of the Torah's **5** quantifiable structural elements—the words, letters, verses, columns, and the rows—equals **401273**. Now, that there is a simple equation such that **401273** divided by **Phi**, or **401273/(1.61803399) = 248000** is pretty amazing, especially if we consider that **248** is one of the few core Torah numbers, including being the numerical value of the name Abraham, and the sum of the names of its **5** Books (**2480**).

And as explained in *The Genesis Prayer*, **2480** is also the sum of the last letter of each of the **7** lines of **42**-Letter Name of G-d matrix.

Nevertheless, there is so much more going on in this simple equation, (**401273/ 1.61803399 = 248000**). For starters, **401** is the value of the Bible **4th** and most numerous word and also of its most numerous word value. Moreover, **127**, is the total possible combinations of the **7** words of the Bible's first verse², and **73** is another number integral to that verse, and as we'll soon see to both the **42**-letter Name and to us.

² The number 127 is the 12th of the exceedingly rare Mersenne Primes.

The Torah, Phi, and Five (5)

We mentioned earlier that there was a deeper connection to the Torah and the number **5** beyond it consisting of The **5** Books of Moses, and we will explain it shortly, but since we've just connected Phi to the **5** principal structural elements of the Torah we should explain what Phi really is. Phi is simply the positive root of a simple quadratic equation. I know that doesn't sound so simple, but trust me, it's very basic algebra. This quadratic equation is based on the proportions we mentioned at the outset of this book, and that positive root is really nothing more than the square root of **5** plus one, divided by two, or:

$$\text{Phi} = (\sqrt{5} + 1)/2$$

So later on when we talk about how Abraham and the ancient sages built their divinely inspired physics of the universe around the **32** Paths of Wisdom and a **5** dimensional hypercube, which has **32** apexes, and we note that **32** is **2** raised to the power of **5** or **2⁵**, and that there are exactly **32²** different word values utilized in the Torah, we can better understand the relevancy of the central number **5** to the overall scheme of things.

Does the Torah's First Verse Likewise Connect to Phi?

The way the system of gematria works is that all the Hebrew letters have been assigned numerical values that represent each letter's underlying energy. They are assigned according to a logarithmic scale, but be that as it may, each letter may be reduced to a single digit number so that the words they form may be converted to numerical strings. This is called *Gematria katan*, or small gematria.

This is significant to us, because it helps illustrate how Phi's integration into the Torah is even more profound. Based on the assigned numerical logarithmic values, **358** is the numerical value for the word Messiah (*Mashiach* in Hebrew) and 221304221135041453404614512965129504545662 is the numeric string generated by the Bible's first verse when we apply small gematria. Thus when we multiply Phi by the numeric string

generated by the Bible's first verse and it gives us **3.580777...** we know what the message is and have to ask who could have encoded it.

$$\text{Phi (1.61803398...) x } 221304221135041453404614512965129504545662 = \mathbf{358.0777...}$$

Phi x Bible's 1st Verse = Messiah

Really, we've seen already how the Bible's first verse was encoded and designed in such a way to reveal Pi to several decimal places. Now we see how it was encoded and designed to also integrate with Phi and the word, Messiah. And if you've read *The Genesis Prayer*, you've seen how it was further encoded to reveal not only the **42**-Letter Name of G-d, but how it also connected to either Pi, Phi, or the Messiah in dozens of other concrete ways as well.

Who could have encoded it this way? 3700 years ago?

The Messiah and Fibonacci

As many of you have realized on your own, even the numerical value of the word *Mashiach*, Hebrew for Messiah is related to Phi. There's a famous series of numbers called the Fibonacci numbers that is derived by adding the two previous numbers to get the next one in the series. It's pretty simple. Start with 0 and 1, and add them together and the next number in the series would be 0 plus 1, giving us 1. We'd now have 0, 1, 1, and the next number in the series would be determined by adding 1 plus 1 to give us 2. Thus our series would now look like: 0, 1, 1, 2, and so on.

As these numbers get larger and larger, the ratio of dividing any two consecutive numbers in the series gets closer and closer to Phi. When you look at the first few numbers in this series the relationship to **358** will be obvious:

0, 1, 1, 2, **3, 5, 8**, 13, 21, 34, 55, 89, 144, 233, 377...

As you've realized by now, the Messiah (*Mashiach*) is a recurrent theme here. As we saw in *The Divine Calendar* and in *The Genesis Prayer* all the roads lead to the same point in time and all numerically spell out the same welcome sign.

This is precisely why we've limited our criteria and our operating space to the first 1000 digits in Pi. So it won't appear as if we're searching high and wide for meaning where there's just numbers. If my neighbor has 3 kids and I have 3 kids it's coincidence. If that neighborhood has no boundaries, we can find all the coincidences we want and they won't mean anything, but if the neighborhood is large enough to be meaningful and has very specific and defined boundaries and if nearly everyone in the neighborhood has 3 kids, then it's parental planning, and definitely not coincidence. We would be forced to look deeper and find some meaning or reason behind the phenomenon. And the first 1000 digits in Pi is such a neighborhood.

Chapter 8

The First 12 Digits of Pi

Do you Believe in Magic? 314159265358

To Find the Messiah in Pi, we actually don't have to look so far, only **10** digits deep to be precise, but as in the example above, that alone means nothing.

314159265**358**...

Number theory allows us to break up a string of numbers into its component parts, and the least arbitrary string within the infinite numerical stream by anyone's reckoning has got to be its first 12 numbers. If we break up those first **12** digits of the mathematical constant **Pi** (314159265358) into triplets, as is often done in Hebrew—like the 14 triplets in the **42**-Letter Name of G-d, the 72 triplets Name of G-d, and the three letter roots of most Hebrew words—we get **314**, **159**, **265**, and **358**.

Utilizing the ancient mathematical system of gematria we see that: **314** is the value of the archangel Metatron and of the all-important Name of G-d *Shadai* that all Jews put on their doorposts and that is supposed to guard against negativity at the entrance to all gateways, such as this gateway into the realm of Pi.

We further see that the next 3-digit sequence, or triplet, is **159**, which is the small gematria value of the upper **42**-Letter Name of G-d, also known as the **42** letters of the expanded ineffable Name of G-d, the Tetragrammaton

And the next 3-digit sequence is **265**, which is a numerical and graphic combination of the Tetragrammaton (**26**), the ineffable Name of G-d, and the pronounceable version of it, *Adonai* (**65**).

And finally the 4th 3-digit sequence is **358**, the value of the word Messiah (*Mashiach*).

But, if we add together the two middle components (**159** and **265**) we get **424**, the value of the full and well-established phrase for the Messiah, *Mashiach Ben David*. (Messiah, Son of David).

So What's the Relationship between 314, 159, 265, and 358?

We go into it briefly in *Divine Calendar* and in much greater depths in other papers of ours, so we'll only note here that the relationship between **5** and **8** is at the core of the Torah, but as it just so happens **265** is exactly $5/8$ of **424**. In other words, $265/424 = 5/8$. And therefore and consequently, **159** is exactly $3/8$ of **424**.

The relationship between **3** and **8** will come up several times in this book, but we should just note for now that within this first **12**-digit sequence that starts off Pi, it begins with **3** and ends with **8**, just as the numerical value for *Mashiach*, the Messiah, **358**.

And the numerical difference between **314** and **358** is **42**.

And just in case you were one of those people that said to yourself if there is a proportional relationship between the middle two triplets in this sequence as we saw with **159, 265** and **424**, then there should be one with the first and the last triplets as well, **314** and **358**.

And so there is, and it is just as profound. If we divide not just **314**, but **314.159265358** by **358** we get **.877539...** And just in case you didn't recognize it, that's **5778** backwards.

$$\mathbf{314.159265358/358 = .8775...}$$

$$\mathbf{PI/the\ Messiah = 5778\ backwards}$$

But it gets better. Remember **401273/Phi= 248000** and how **401273** was the sum total of the Torah's **5** structural elements—the words, letters, verses, columns, and the rows, well look what happens when we divide **358** by **314** to get the inverse of the ratio between the first and last triplet of those first 12 digits in Pi.

$$358/314 = 1.1401273\dots$$

That's a lot of coincidence to pack into 12 little digits, don't you think? By the way, for what it's worth **273** as in **401273** is the numerical value of "Gematria." Nevertheless, we remind you that the above equations are pure math and **401273** is a pure quantitative, non-arbitrary number, and neither Pi nor Phi have anything do with gematria codes or deciphering—they are just numbers. Gematria just adds a layer of understanding for us, the same way it did for the ancient sages before us.

To the sages, the Names were high technology, ways to connect to the spiritual side of the universe and not just numbers on a grid or letters in a text. And the formulas, equations, and ways they interrelate are the schematics of how they are wired together.

The sages appreciated them and looked at them as gifts, and when used properly, they are the means to draw down and connect to the energy of fulfillment and of *Mashiach* consciousness. Think of the specific names, like Abraham, and the specific numbers, like **358**, as file names on a cosmic computer. Once you know where the files are, all you have to do is click on them.

Back to Pi.

Chapter 9

The First 12 Digits and G-d

What else is Embedded in those 4 First Triplets of Pi?

Does it strike anyone as odd that the first 12 digits in Pi would do this? I mean, Pi is a primordial constant based on a physical property of nature and there's nothing manmade about it.

Odd then that the last digit in these four consecutive 3-digit numbers sums up to $(4 + 9 + 5 + 8) = 26$, the value of the Tetragrammaton.

Even odder that since the first digits in the series sum to $(3+1+2+3) = 9$, and the second digits in the series sum to $(1+5+6+5) = 17$, both these sets together sum to $(9 + 17) = 26$, which is the value of the Tetragrammaton in standard gematria.

So the set of first digits and the set of second digits together equal the set of last digits, which equals the Tetragrammaton. Kind of weird, right, especially considering everything else these 12 digits have been asked to do so far. I mean, like helping to create 3-dimensional space by bending straight lines into circles, and not to mention all the other Messiah, G-d, Torah, and divine calendar connections we've revealed so far.

But what's even most astonishing is that the second digits in the series is **(1,5,6,5)** and that the Tetragrammaton in small gematria is also **1565 (YHVH)**.

The significance of the digit sets equaling **17** and **9** will be quite clear by the time you finish this book, as will the significance of the last digit in these four consecutive 3-digit numbers being **(4, 9, 5, 8)**, and of digit# **958** being a very specific location within Pi, **42** digits before the end of the first **1000**. But for now, just note that **958** is the gematria value of *Sefer H'Brit*, or what the Torah refers to as "*Book of the Covenant*."

So if our neighborhood only contained 12 specific houses, you'd have to say already that there was no doubt that planned parenting was going on.

Is there a simple Name of G-d Associated with Pi?

As we've seen there are many just in the first **12** digits, *Shadai*, the Tetragrammaton, the **42**-Letter Name to name a few. But what stands out to me is the simplest one, *El*, which is **31** in gematria, and which starts off Pi (**3.14159265358**). Another reason is stands out is that since we know the number **8** is so important to the divine calendar and the Torah, when we take the **8th** root of the reverse of these 12 digits we get $\sqrt[8]{853562951413} = \mathbf{31.00\dots}$ Sweet and simple, backwards and forwards, **31**, *El*, simply G-d!

There's a lot more here and we encourage you to contribute with anything else you find embedded within these digits, but with so much territory to cover, let's move on to the rest of the 1000 digits.

Part III

PI: The First 1000 Digits

31415926535897932384626433832795028841971693993751058209749
44592307816406286208998628034825342117067982148086513282306
64709384460955058223172535940812848111745028410270193852110
55596446229489549303819644288109756659334461284756482337867
83165271201909145648566923460348610454326648213393607260249
14127372458700660631558817488152092096282925409171536436789
25903600113305305488204665213841469519415116094330572703657
59591953092186117381932611793105118548074462379962749567351
88575272489122793818301194912983367336244065664308602139494
63952247371907021798609437027705392171762931767523846748184
67669405132000568127145263560827785771342757789609173637178
72146844090122495343014654958537105079227968925892354201995
61121290219608640344181598136297747713099605187072113499999
98372978049951059731732816096318595024459455346908302642522
30825334468503526193118817101000313783875288658753320838142
06171776691473035982534904287554687311595628638823537875937
51957781857780532171226806613001927876611195909216420198...

Chapter 10

What are the odds?

A numerical string is any consecutive grouping of digits (numbers), and since there is a 1 in 10 chance of any single digit being a particular number, the odds of a particular multiple digit number appearing at any particular location within Pi go up by a multiple of 10 with each additional digit.

Therefore, if for some reason we need for a particular four-digit string to appear in a specific place the odds would be $10 \times 10 \times 10 \times 10$, or 10,000 to 1 against it. On the other hand, since we have 1000 digits to work with, the odds of any particular four-digit numerical string appearing anywhere within the first 1000 digits of Pi are $1000/10000$ or 1 in 10. This distinction is important because it raises the barrier of proof. To make something really stand out for us statistically, we have to tie that numerical finding to a specific location.

As in the last couple chapters, where we were limited to only 12 digits, the odd against them working out the way they did were astronomical.

994 Possibilities

Taking any 1000 digits and dividing them up into 4-digit strings will yield 994 sequential 4-digits combinations. In the case of these first 1000 digits within Pi, the square root of their sum is 2221.9+ or **2222**.

Four-digit Strings and Mashiach

Nevertheless, out of 1000 possible numbers **there are exactly 42 four-digit numbers repeated twice within these first 1000 digits** in Pi, but only four that are repeated 3 times. And it just so happens that one of the four sequences is **5778**, representing the

year **2018** in the Gregorian calendar. Isn't that odd, considering that Phi, the second best known primordial constant, had already established **5778** as unique.

And isn't that odd that there would be exactly 42 duplicate 4-digit sequences within the first 1000 digits?

But it gets better.

Another of the four 4-digit numbers is **2019**, the year immediately following **2018** CE, or **5778** HC. If you've read *The Divine Calendar*, you already know that this was no coincidence and that Abraham's reception of the Covenant of G-d in **2018** HC is just part of the beautiful symmetry built into the divine plan, but this book is about looking deeper, about a greater proof and what may be revealed in the process of searching for it.

This coincidence of back to back dates occurring in a unique and statistically improbable way within the first 1000 digits of Pi also means that this pivotal point in time was represented 6 distinct times within the first 1000 digits. Could this be coincidence? Sure.

And knowing what we know about the divine calendar and its' connection to the **42**-Letter Name and to the term *Mashiach Ben David* of numerical value **424**, its probably also coincidence that there are only five 5-digit strings to be repeated within these 1000 digits and that one of them is **42019**. And another is even more surprising, but we'll save that for later.

And it's also probably coincidence that the second and third occurrences of **5778** are contiguous and begin at digit # 948, where the sum of all the 947 numerals up that point is **4240**.

All the digits through the final 5778 sequence = 4240

***Mashiach Ben David* = 424**

Some even say that the **948** in digit #**948** relates to highly significant date **1948** in our divine calendar, the date of Abraham's birth in the Hebrew calendar and the date of the Israeli statehood in the Gregorian one.

So as we saw in *The Divine Calendar* the Hebrew and Gregorian calendars are linked inextricably together through the two dates 3760 HC (0 or 1 CE) and **5778 (2018 CE)**. And we've just seen how the primordial constant Phi makes **5778** unique against all the possible numbers/dates in the known universe, and as is beginning to become clear **5778 (2018/2019)** plays some not-so-random roll in Pi as well. The question is why?

And why does it relate to the only three numbers the sages connect with *Mashiach* and the final redemption, 358, 424, and 42?

Chapter 11

Sidereal Years, Statistically Impossible

Whether or not we believe all this to be coincidence, there is an even more difficult to swallow occurrence within these first **1000** digits and this occurs precisely **173** digits after the decimal place.

We know that **173** is the small gematria value of the **42**-Letter Name, but what's less obvious is that the numerical string **2110555** that occurs there can refer to **2110555** sidereal days, which is also precisely equivalent to **5778.28** years.

Small Gematria Value of the 42 Letter Name = 173
At 173 digits after the decimal place = ...2110555...
2110555 = 5778.28 Sidereal Years

Moreover, we know this isn't an odd, yet still pure coincidence because there's yet another string within these first 1000 digits and that's **737190**, which in sidereal days equates to **2018.28**.

...737190... = 2018.28 sidereal years

The odds are now astronomical that these are all chance occurrences. And speaking of astronomy the sidereal year, 365.256 days, is the more spiritual definition of a year since it measures the Earth's revolution against the background of the cosmos and not just the sun or the moon.

Interestingly enough, there is at least one other string within those first 1000 digits that relates to sidereal years. When the number **729780** found at digit #771 is counted as days, it equals exactly **1998** sidereal years, which is also equivalent to **1998.28** mean solar or Gregorian calendar years, making it an equalizing or pivotal number between the two calendars.

5778.28 years

2018.28 years

1998.28 years

And since we know that **28** is one of the very few core Torah numbers, there does appear to be some divine message in all this, or at least some semblance of divine intent. And maybe that's why the string **1330** days, which equals **3.64** sidereal years, is located at digit #**364**. Who can say?

We won't go into it any deeper here because it's covered in *The Genesis Prayer* and elsewhere in our writings, and we've already seen **28** linked though the **28** letters of the first verse of the Torah to Pi and Phi, but why **28**?

In gematria, **28** is the numerical value for the word "power" and for the all-important spiritual concept of "unification."

Chapter 12

Mohamed and the 3rd Calendar

The first **5778** in Pi is located at digit #**633**, which is possibly significant because this is **632** digits after the decimal place and not only did Mohammed die in **632** CE but **632** is exactly **.666666** of **948**, where the next and final **5778** sequence occurs, at digit #**948**.

Considering all the connections revealed in *The Divine Calendar* between **666**, **.666666**, the Messiah and the date **5778** it would appear that the exact placement and location of these numbers within Pi is also crucial and of specific divine intent.

Let's not forget that the pivotal equalizing number between the two calendars translated into **1998** years and **1998** is **3** times **666** as well.

It's also noteworthy that the sum of the digits through #**633** is **2804**, which is **1000** digits less than **3804**, which was the sum of the digits through digit#855 where the numerical string "**1000**" was located and **855 - 633 = 222**, or **666/3**.

On its own, that's not so significant, but when coupled with everything else, it's another piece of the puzzle. More significant perhaps is that the numerical string representing the Hebrew Calendar year that Mohammed was born, **4330** HC, is found at digit# **401** within Pi, and the year that he started receiving his divine inspirations at the age of **40**, the year **4370** HC, is found **144** digits later at digit # **555**.

So Why is 144 or 12² significant? Because **5778** in the Islamic calendar is **1440** AH, as in the **144** digits just mentioned.

Moreover, for some reason both the strings **4330** and **4370** follow the numerical string **609** within these first 1000 digits.

...1609**4330**57270...

...8609**4370**2770...

Maybe it has something to do with Mohammed's death on June 8th, **632** CE, since **6/09** is the following day, the first day in a new era or cycle, in the same way that **2019** is the next year after **2018(5778)**? Or maybe it's just a coincidence? Who can say?

....**1**609433057270...

...**8**60943702770...

In the same vein it may be coincidence that these two obviously related sequences start off with 1 and 8 or **18**. As we'll see later, it probably isn't coincidence, but one more connection in an ever more exciting puzzle and an ever more interesting neighborhood.

Perhaps it's meaningful that the first **5778** is found at digit #**633**, exactly **232** digits after the year of Mohammed's birth which is found at digit #**401** and that **232** is the well-established and universally accepted sum of the four aspects of the Tetragrammaton. Perhaps!

We'll get into how these 4 aspects of the Tetragrammaton relate to Pi and **5778** later, but for now, here are the dimensions they are associated with and the numerical values of each of the four levels:

Chochma 72

Binah 63

Zeir Anpin 45

Malchut 52

232

Perhaps Mohammed's age at his death, **63**, which the ancient sages equate with the second aspect of the Tetragrammaton, the dimension of *Binah*, is coincidence too.

Does it feel like a giant puzzle with the pieces rapidly sliding into place? It'll be interesting to see what picture they form.

The Alpha and the Omega

One more piece to ponder relates to digit #**401** where Mohammed's birth date occurred and to the previously discussed sum of the 5 principal structural elements of the torah, **401273**, which we said in passing translates through gematria to "gematria of 401."

It is a fact that **401** is the most prevalent gematria word value in the Torah by far, occurring **2669** times and also that it's the gematria word value for the most prevalent by far word in the Torah, *Et*, spelled *Aleph* and *Tav*. These are the first and last letter in the Hebrew alphabet, as in the Alpha and the Omega, the beginning and the end, itself occurring **2622** times.

Chapter 13

A Smoking Gun

The Three(3) 5778's

Perhaps the placement of the three series of **5778's** at the digit #'s **633**, **948**, and **954** is random, but if it is why is there a **12**-digit sequence at digit #**182** (the numerical value of **Jacob**, the Patriarch) that spells out these locations: **644622948954**?

12 Digits just like the **12** digit G-d sequence that's set off Pi. Just like Jacob's **12** sons.

This does assume, of course, that we would figure out that **633** was the average between **644** and **622**.

If you needed a smoking gun, this was it.

The **12** digits in this **12**-digit string sum to **63**, *Binah*, as was Mohammed's age. And so do the **10** digits in the sequence at digit #**948**: **5778185778**.

Digit # **182**: ...**644 622 948 954**...

633 is the average of 622 and 644

The First 5778 found at digit # 633

The Second 5778 found at digit # 948

The Third 5778 found at digit # 954

Stop. Think about it. Digit **182** connects to Jacob, the **3rd** Patriarch, and the **12**-digits possibly to his **12** sons, and to the first **12**-digit sequence (314159265358) within Pi with its indelible connection to the *Mashiach*, and then to this **12**-digit sequence **644622948954** with its undeniable connections to **5778**. Why?

Did you notice that **182** is (**200 - 18**)? Do you think the **18** and the **2** in **182**, and in (**200 - 18**) and in **2018** are connected? Are they connected to **5778** being the **18**th power of Pi? Does that **1** and **8** before the two Mohammed sequences seem to make more sense now, more connected to the puzzle?

Hajira and the Islamic Calendar

Another question comes to mind as well. Why not just do 633948954 and be done with it. Who knows? Maybe it's because Pi's main function is to define 3 dimensional space by converting straight lines into circles. Or maybe it's because by breaking down **633** into **622** and **644**, the sum of the entire sequence could be **63**, Mohammed's age, and maybe it's because the year that Mohammad went to Medina and began his mass conversions to Islam was **622** CE.

This date, **622** CE, representing "the flight" *hajira*, is so critical to Islamic consciousness that it was chosen as the year that the Islamic calendar began. That in itself is a good enough reason, especially if the intent is to show us that all three calendars and more importantly all three religions of common origin must join together.

Digit # 182: ...644 622 948 954...
633 is the average of 622 and 644
622 is the Year the Islamic calendar began

First 5778 found at digit # 633
Second 5778 found at digit # 948
Third 5778 found at digit # 954

Chapter 14

Jacob, Unification

Why Digit **182**? This is the numerical value of Jacob, the 3rd Patriarch, and the one whose energy the sages regarded as a unifying force, as the central column in the Tree-of-Life or the neutron in the atom. As the symbol of **3** and unification, it is perhaps fitting that the locations of the three **5778**'s would be marked by his numerical value. It's also indicative of the possible message that there will be a peaceful unification of the three calendars and religious systems that shared the same origin.

And lets not overlook the fact that the critical sequence found at digit # **182** was **12** digits long and that Jacob was the father to the **12** sons that would become the **12** heads and forefathers of the **12** tribes of Israel.

314159265358979323846264338327950288419716939937510
 58209749445923078164062862089986280348253421170679821
 48086513282306647093844609550582231725359408128481117
 4502841027019385**2110555****9644622948954**93038196442881
 0975665933446128475648233786783165271**2019**091456485669
 23460348610454326648213393607260249141273724587006606
 31558817488152092096282925409171536436789259036001133
 05305488204665213841469519415**116094330**57270365759591
 95309218611738193261179310511854807446237996274956735
 18857527248912279381830119491298336733624406566430860
 21394946395224**737190**70217986094370277053921717629317
 67523846748184676694051320005681271452635608277857713
 427**5778**9609173637178721468440901224953430146549585371
 0507922796892589235**42019**9561121290219608640344181598
 136297747713099605187072113499999983**729780**4995105973
 17328160963185950244594553469083026425223082533446850
 35261931188171010003137838752886587533208381420617177
 66914730359825349042875546873115956286388235378759375
 19**5778****185778**0532171226806613001927876611195909216**42**
0198

The Hidden Israel and 633

Another reason to place **5778** at digit #**633** connects it to Israel through a very simple equation Very simply, one-half of Pi is $3.14159265358/2 = 1.57079633$ and while we know that the numerical string **5778** is found at digit #**633**, a briefer representation of this equation shows us that $Pi/2$ equals **1.5708**, or One and **5708**, the Hebrew year Israel became a nation.

$$\begin{aligned} & \mathbf{3.14159265358/2 = 1.57079633} \\ & \mathbf{3.14159265358/2 = 1.5708} \\ & \mathbf{Israel\ became\ a\ nation\ in\ 5708\ HC} \end{aligned}$$

How does Jacob Unify?

We're not going to go into the spiritual mechanism by which Jacob unifies, but we know from the Bible that when Jacob wrestled all night and conquered the supreme negative angel—one might suppose that to be his own negativity—before reunifying himself with his brother Esau, he was given a new name by the angel. The name he was given was Israel, of numerical value **541**. Now the difference between **541** and **182** (Jacob) is **359**, which is the numerical value in Aramaic, the language the sages used for concealment, for *Mashiach*, the “Messiah.”

If we multiple the values for Israel, Ishmael and Esau, representing the **3** religions descended from Abraham, and take the square root of their product to solidly join them together in a way in which they'd lose their individuality, we would get $\sqrt{(541 \times 451 \times 376)} = \mathbf{9578.13...}$. And while **13** is the numerical value of *Echad* (one), as in “G-d is One,” and also the value for *Ahava*, love, **957** is the location of the final digit in the final **5778** within the first **1000** digits in Pi.

And the first place **5778** is found within Pi is at digit #**633**, corresponding to Mohammed, so it's interesting that **633** less **451**, the numerical value of Ishmael, his antecedent, equals = **182** (Jacob).

We should further note that the resultant number from Jacob's names, **359**, less the numerical value of Abraham, **248**, equals **111**, a symbolic representation of the unified **3** religions that stemmed from Abraham, but also **111** is the numerical value of the first Hebrew letter, *Aleph*, which is also spelled the same as the Hebrew word for **1000**, *eleph*, which is perfect if you think about it.

Chapter 15

The Number 18

Does the 18 between the 5778's mean Anything?

In the sequence **5778185778** there is the number **18** sandwiched between the two **5778**'s and it just so happens that there are **18** numerical strings of **5778** within the first 100,000 digits in Pi, a statistical anomaly unto itself.

And just in case we didn't get the point of **633** within the first 1000 digits, the **4**th of the **18 5778**'s is located at digit #**14633**.

Moreover, the square root of **18** is **4.242640**. Once again **5778** connected with **424**, the numerical value of *Mashiach Ben David*.

Again, we have to ask if you think the **18** between the **5778**'s is connected to **2018** and to **5778** being the **18**th power of Phi? And if so, who alone in the universe could have connected them? What force alone in the universe could have linked them together?

Chapter 16

Phi and the Number 18

What is the Harmonic Balance between Phi and 18?

We know that **Phi = 1.61803399...** and that the Phi and (Phi-1) are proportionate such that **Phi x (Phi-1) = 1**, and that **(Phi-1) = .61803399....** That's the innate structure of Phi.

But for some reason **18 = Phi⁶ + (Phi-1)⁶** This too seems to be part of the innate structure of Phi, linking **6** and **18** inextricably to Phi's design.

As I'm sure you noticed by now, **Phi** and especially **(Phi-1)** begin with **6** and **18**, as in **.61803399**.

This balancing point means that Phi was actually designed with **6** and **18** in mind. And if that was the case, then isn't it likely it was designed with **5778 = Phi¹⁸** in mind as well?

$$\begin{aligned} \mathbf{Phi} &= \mathbf{1.61803399} \\ \mathbf{(Phi-1)} &= \mathbf{.61803399...} \end{aligned}$$

$$\mathbf{Phi \times (Phi-1) = 1}$$

$$\mathbf{18 = Phi^6 + (Phi-1)^6}$$

$$\begin{aligned} \mathbf{(Phi-1)} &= \mathbf{.61803399...} \\ \mathbf{Phi} &= \mathbf{1.61803399} \end{aligned}$$

This special case with **6** and **18** is only extra special because of the constant **Phi** itself being **1.6180...**

Phi, being the extraordinary number that it is, has numerous balancing points set around other whole numbers, when rounded

to 3 decimal places. Perhaps those balancing points are especially indicative of something as well.

What's the Smallest Balancing Points Built into Phi?

We discussed the special case of **6** and **18** and $18 = \text{Phi}^6 + (\text{Phi}-1)^6$, but the smallest special case balancing point is $3 = \text{Phi}^2 + (\text{Phi}-1)^2$

$$3 = \text{Phi}^2 + (\text{Phi}-1)^2$$

How Do the Balancing Points relate to the 47 Generations from Moses to 5778?

Another special case is of **4** and **7** in that $7 = \text{Phi}^4 + (\text{Phi}-1)^4$

The next special case has a lot of significance for us, once again in conjunction with **5778**. It is the case of **8** and **47**.

We already know that the Torah and the divine calendar hinge on the number **8** so now we can understand through $47 = \text{Phi}^8 + (\text{Phi}-1)^8$ why there were exactly **47** generations from Moses to **5778**, the predicted date of the Messiah.

$$47 = \text{Phi}^8 + (\text{Phi}-1)^8$$

47 Generations from Moses to 5778

As we discussed in *The Divine Calendar*, Moses passed away in the Year **2488** HC and the final redemption is predicted to be in **5778**, so the difference between these dates, $(5778 - 2488)$, equals **3290** years, which, if we use **70** years as the length of a generation in the post-Abrahamic period, as the calculations in *The Divine Calendar* revealed, we see that **3290** years is equivalent to $(3290/70)$, or exactly **47** generations.

And the significance of this is that since Moses is the **26**th generation in the direct lineage from Adam, and that since it's been predicted that the divine world peace is to begin in the year **5778**, exactly **47** generations later, there are **26 + 47**, or **73** generations in the line of Adam from his birth in year "0" to year **5778** HC. And **73**, as we discussed in *The Divine Calendar*, and as we'll discuss later on in this Book is the numerical value of the dimension of *Chochma*, Wisdom.

And speaking of **47**, I'm sure you noticed that there was another special case balancing point that utilized the numbers **4** and **7**.

What other Balancing Points are Built into Phi?

There are numerous other balancing point cases like these, including but not limited to: **10** and **123** in that (**123 = Phi¹⁰ + (Phi-1)¹⁰**); and **12** and **322** in that (**322 = Phi¹² + (Phi-1)¹²**); and **14** and **843** in that (**843 = Phi¹⁴ + (Phi-1)¹⁴**).

So What Makes 5778 and 18 Unique?

All the cases we've seen already are approximate resultant powers of Phi, as in **47** is approximately **Phi⁸**, but only one number exactly satisfies both the special case balancing point and is also a power of Phi to 3 more decimal places of accuracy, and that is **5778** and **18**.

All the numbers from 16 to 29 satisfy the special case balancing point criteria, but **only 5778 = Phi¹⁸ + (Phi-1)¹⁸** satisfies it—and it does it to 5 decimal places—and it also satisfies **5778 = Phi¹⁸**, which is does to 4 decimal places. No other number satisfies it to even 3 decimal places.

The Unique Number; The Unique Relationship

$$5778 = \text{Phi}^{18} + (\text{Phi}-1)^{18}$$

$$5778 = \text{Phi}^{18}$$

$$18 = 6 + 6 + 6$$

Anything Else unique about 5778 and Phi^{18} ?

Please also understand we didn't check every number in existence, as the numbers grew so large as to be meaningless to us and we stopped looking, so this is no definitive mathematical proof by any means. But even if other numbers do exist what possible meaning would we derive from the year 17 quadrillion and something?

That said, we were not able to find a single other number for which when we divided Phi raised to a specific power (n), we could divide it by that same number of the power (n), such as Phi^n/n , and get a whole number, except one. You guessed it!

And that number is **Phi¹⁸** or **5778**. When we divide **Phi¹⁸** by **18**, we get 320.999990, or **321**, not only a whole number, but accurate to 5 decimal places. We couldn't find any number that fit a criteria of rounding off to even 2 decimal places, which is odd even of itself.

$$\text{Phi}^{18}/18 = 321$$

or 320.999990 rounded off to 5 decimal places.

Since **5778/18 = 321** maybe this is yet another connection to the **32** Paths of Wisdom and Abraham's description of the hypercube tree-of-life. Maybe not, but at least we see **5778** and **18** being singled out yet again as being unique in the universe.

Let's Examine Phi and 18 Again

In order to determine the essence of this unique relationship between **6**, **18**, **Phi** and **5778**, we must keep turning it around and around and over again, examining it from all angles.

We know that Phi is **1.61803399...** and that **18** divided by **6**, or **18/6**, equals **3**, but **6/18** is **.333333** so it's interesting that Phi in its simplest state is composed of **6**, **18**, and **33**, and even **3 x 33**, or **99**

$$\mathbf{.61803399 = .6\ 18\ 033\ 99}$$

And the digits in **5778** add up to $(5+ 7+ 7+ 8) = 3^3$.

We know by now that this is all by design, not coincidence, and we know the marvelous outcome of this extraordinary design; what we don't know is why?

Back to Pi.

Chapter 17

Where does 666 fit in to all this?

Mohammed and Christ

It's interesting that the first **5778** in Pi is located at digit# **633** and that Mohamed lived **63** years, and moreover that Christ lived **33** years and it's beginning to become clear that the **3** calendars are converging on the date **5778**.

For those of you who haven't yet read *The Divine Calendar*, we should point out there are exactly **66.6** jubilee years—a specific Biblical terms for the 50 year period that the Bible tells us to reckon with—from the reception of the Torah and the end of the exile in Egypt in **2448** HC to **5778**. And moreover that Christ's **33** years represent exactly **.666** times 50 years, or 2/3 of a jubilee year.

Needless to say, **633** plus **33** equals **666**, which points to the year **5778** HC both though Pi and though the divine calendar. It also points through simple mathematics to **2018**, the equivalent date in the Gregorian calendar.

So knowing all this, doesn't it make sense that the sum of the digits in the **729780** days in the **1998** sidereal years that we revealed earlier, or $(7+2+9+7+8+0)$, equals **33**, and also that **1998** is **666** times **3**?

The connection between **666** and **33** and the year **2018** is pretty apparent considering that $633 + 33 = 666$; and that $666/33 = 20.18$; and that $\text{Log}(2018) = 3.30$; and that $1998 + 666/33 = 2018$; and that $(6 \times 33) + (3 \times 600) + 666/33 = 2018$; and finally that $(666.666 \times 3) + (6 \times 3) = 2018$.

The last digit in the final of the three **5778** sequences within the first 1000 digits in Pi ends at digit #**957**, and if we divide **57** by **9**. we'll get $57/9 = 6.33$, as in digit #**633**, where we found the first **5778** sequence.

This equation is not as arbitrary as it might appear to some because, as we will see later on, **5778** is neatly spelled out when we divide each of the four aspects of the Tetragrammaton by **9**. And keep in mind, the **9th** dimension, *Chochma* (wisdom) has the numerical value of **73**, as in the **73** generations from Adam to **5778**.

Chapter 18

“I Am that I Am”

Interestingly enough, the first Book of the Bible starts off with an encoded version of the **42** Letters of the Name of G-d, and the first word of the second Book of the Bible, Exodus, which in Hebrew is called the Book of Names, starts off with the numerical value of **42**.

And at Exodus **3:14** we encountered the famous phrase: “I am that I am.”

We recognize Pi (**314**) in Exodus **3:14** right away, but the sum of the small gematria of the **3** words in the phrase is **3142**. Can the connections be anymore obvious?

We could probably write an entire book on the significance and depth of this phrase, “I am that I am,” which in Hebrew is both a Name of G-d unto itself, and also the composite of two duplicate Names and the word *asher*: “*Ehyeh Asher Ehyeh*.”

The Name *Ehyeh* is a higher level Name than the Tetragrammaton and connection to the **3** upper dimensions, while the Tetragrammaton connects with the lowest dimension, our dimension plus the **6** intermediate dimensions that channel the energy back and forth, or up and down if you will, from the **3** upper spiritual dimensions to ours. This channeling is what the **42**-Letter Name facilitates, but since you can read all about that in *The Genesis Prayer*, we won't go any further with it here.

Except to note that each of the two *Ehyeh*'s has the numerical value of 21 and together they equal **42**.

As explained in *The Genesis Prayer*, there is yet another connection to the number **28** with this Name as well, in that the cube root of **3142** is **28.0**....

Moreover, there are **6** word values found **26** times in the Torah, and **26**, as we know, is the numerical value of the Tetragrammaton, but what's incredible is that those **6** word values total **3142**.

In fact, the Name “I am that I am,” or “*Ehyeh Asher Ehyeh*” is integrally linked spiritually, as well as mathematically, to the **42**-Letter Name. The sages have told us that, “no drop of dew descends from above without two drops rising from below.” This message is extremely deep and profound and though it sounds simple, it’s not. One way to grasp it properly on a level that we all comprehend is that if we want the universe to do something for us, we have to do two things: 1) Let go of our ego, and except that fact that there is a force in control and that we’re not, and 2) work as hard as we can to achieve our goals. One without the other is an illusion. We further know from the sages that the **42**-Letter Name is not only the only Name accessible to us, but that it accomplishes the first point just by reciting or meditating on it. The second point is all us.

Chapter 19

The 42 Duplicates Get Interesting

And Speaking of 42!

I'm sure there is much more hidden within this set of **42** 4-digit numbers, but for now let it suffice that the sum of the 25th and the 27th ones, **0917** and **3305** respectively, is **4222**, which is exactly **10,000 – 5778**.

What's also interesting about the 27th, or 3^{3rd} duplicative 4-digit sequence, **3305**, is that **3.305** is the **log of 2019**

$$\mathbf{\text{Log}(2019) = 3.305}$$

There are many more interesting combinations that can be made with these **42** sequences, but it'll just become boring and contrived if we start going through them, so please feel free to do so yourself and post any of your findings on our website for all to see.

Did you notice that there were **42** 4-digit numbers, possible an allusion to **424**, *Mashiach ben David*, the Messiah son of David, but more certain is that there are **77** duplicate words in the Torah and the sum of the digits in these **42** duplicate sequences is **770**.

A Special Code and Insight from the First 12 Digits

We'll get into the very important significance of **17** shortly, but for now, let's not forget that the sum of the first digits in the series of the **4** first triplets in Pi, **(3,1,2,3)** was **9** and that the sum of the second digits in the series of the **4** first triplets in Pi, **(1,5,6,5)** was

17. When we put them together we get the **25th** duplicate **4**-digit sequence in Pi, **0917**.

This seems too deliberate to be a coincidence, especially since the sum of the digits through the first **0917** location in Pi, which means up to and including digit #**340** is **1515**, and according to the sages in the time of *Mashiach* the Name *YehYeh* (יהיה) will replace the Name of the Tetragrammaton (יהוה) and the small gematria value of *YehYeh* (יהיה) is **1515**.

The 42 Duplicates and 666

These are the **42** duplicates in their order of their appearance within Pi:

2384

3846

9502

5028

9375

3751

5105

4459

0582

6286

8253

2534

5132

5940

1284

4462

9644

3819

3344

3446
5648

6482
2019
8817
0917
8925
3305
1609

0943
6094
0921
6117
2279
2171
1717

7669
8467
8577
7713
5778
4201
9999

We arbitrarily grouped them into groups of 7 for easier viewing, but the last **3** of the **42** are **5778** followed by **4201** and finally by **9999**.

So how fitting it is that **5778** and **4201** are connected at the very end?

And also how fitting is it that the whole group of **42** is capped off with the number **9999**, kind of like a seal, or ceiling?

$$\begin{array}{r}
 5778 \\
 4201 \\
 \underline{9999} \\
 19978 \\
 \underline{12} \\
 19990
 \end{array}$$

$$19990/3 = 6663.333$$

Nevertheless, the last **3** duplicative digit sequences sum to **19978**, and if we add **12** for the *kolel* of the **12** digits in these **3** sequences, we get **19990** and **19990** divided by **3** equals **6663.333**

Moreover, those **12** digits sum to **70**, our most significant divine calendar number, as in the **70** family members that comprised the whole entourage of the **12** Tribes who entered Egypt, and were directly descended from the **3** Patriarchs. And as we learned in *The Divine Calendar*, the end of that exile in **2448** HC, occurred exactly **66.6** jubilee years before **5778**.

The Duplicates and 5778

One further note is that the **6th** duplicate number is **3751** and the **23th** one is **2019** and when we add them together, along with their digits, as we did above, we get **3751 + 2019 + their 8 digits = 5778**

$$\begin{array}{r}
 3751 \\
 2019 \\
 \hline
 5770
 \end{array}$$

$$\frac{8}{5778}$$

Some even say this connects with the **23rd** Psalm of David. Regardless, the sum of the digits in **3751 + 2019** is **26**, the same as the Tetragrammaton.

There is a Special Case Duplicate Number

There is one other special case repeated number within the first 1000 digits in Pi and that's the number....**999999**... or **6** consecutive nines, so if we split them up, we can add **9999** to our list, but since they do share digits we can't be sure they're meant to be included. Since the log of **999999** is **6.000000**, some have suggested that we turn the **999999** sequence upside down:

666666

You decide!

Chapter 20

42 and the Year 2019

The 2 Five-digit Sequences Point to 42 and 2018

We can add to this list of oddities one of the five 5-digit numbers present twice with Pi, **42019**. Graphically, it represents the year **2019** united with the **42**-Letter Name of G-d, the one the kabbalistic sages credit with Creation and also the one linked in so many ways to the divine calendar, and especially to the date of the final redemption.

To say the repetitive occurrence of this seemingly prophetic sequence, **42019**, is odd, if not rare, may be an understatement as the next occurrence of **42019** in Pi is nearly 300,000 digits later.

The other 5-digit sequences that qualifies for its duplicate presence within the first 1000 digits, are listed below. When we add them up they sum to **330158**, once again beginning with **3** and ending with **8**, and once again ending in **58**, like Mashiach, **358**, etc., but If we add up the **25** digits in the **5** sequences and subtract that sum, which is 128, and also subtract both the 25 and the 5, as the *kolels*, we get **330158-128-25-5 = 330000**.

This is a very significant number but not germane to our discussion in this book and would lead to a whole other book about the measure of the ancient cubit.

42019
33446
93751
60943
99999
<hr style="width: 100%; border: 0; border-top: 1px solid black;"/>
330158

$$\begin{array}{r}
 330158 \\
 -128 \\
 -25 \\
 \hline
 -5 \\
 \hline
 \underline{330000}
 \end{array}$$

The Three 2019 Sequences

The sum of the digits through the first occurrence of **2019** is **1111**, whose square root is **33.331666**, and whose 4th root is $\sqrt[4]{1111} = \mathbf{5.773358}$ with **358** being the numerical value of *Masiach*.

Nevertheless, the next occurrence of the sequence **2019** occurs at digit #703 and the sum of the digits to that point is **3131**, meaning that the total value of all the numbers within the constant Pi from the start of the first 2019 sequence up to the next 2019 sequence is exactly $3131 - 1111 - 2$, or **2018**.

The third and final 2019 sequence is located 4 digits before 1000 at digit #996, and the sum of the digits up to that point is 4450, meaning that the total value of all the numbers within the constant Pi from the start of the first 2019 sequence up to the last 2019 sequence is exactly $4450 - 1111$, or **3339**, which may or may not be associated with the date for the destruction of the First Temple in **3338** HC, and definitely is the square of **57.784080**

Moreover, since, as we've previously explained, the sum of all the digits preceding the final ...5778185778 sequence is 4240, representing *Masiach Ben David*, the Messiah, and since the sum of the digits through the final 2019 sequence is 4450, there is by deduction, $4450 - 4240$, or **210** units between them, and 210 is the number of years the Israelites were in exile in Egypt.

42, The Beginning and the End

This pattern is mirrored at the beginning of Pi, where the sum of the numerals up to the **42nd** digit is **210**, leaving a sum of **4240** to the place where the final sequence **42019** occurs. As in the beginning, as in the end.

Israel, *Mashiach*, 1111, the Year 2019, and 424

Now, the first occurrence in Pi of the sequence comprised of the numerical value of *Mashiach Ben David*, **424**, is found at digit #**1110** and is followed immediately by **541** (Israel), making **...424541...**

But equally telling is that if we ignore the first 4 of **...424541...** and start the sequence at digit #**1111**, we find the sequence **...24541...**, and **245** is the location of the first **2019** sequence, at digit #**245**, through which the sum of digits was **1111**. Contrived, or telling?

Therefore the **245** sequence at digit# **1111** integrally links **424** (*Masiach Ben David*), **541** (Israel) and the year **2019**, and moreover, makes it far less likely that any of this could be random chance occurrences. Though, by now, what doubts could you have?

Chapter 21

Mirror Symmetry within Pi

And speaking of **1111**, this next positioning within the first **1000** digits is quite odd. Right after we find the first **2019** in Pi, we come to the **250**th digit in Pi, or exactly one-quarter the way through the first **1000** digits. And the sum of the numerals in the remaining three-quarters of the digits totals **3338**, as in the year the First Temple was destroyed, which also happens to be **5778 x .5778**, or **57.782**.

Then at the three-quarter point, digit # **750**, the sum total of the numerals through that point is **3339**, representing the first year after the destruction of the First Temple, also **57.78²** and leaving exactly **1111** digits until the final **2019**.

Is this possible, plausible, or just purposeful design?

Remember, we've just seen that the sum of all the digits up to the final **...5778185778** sequence is **4240** and that the sum of all the digits between the start of that sequence and the final **2019** sequence is **210** units and that the pattern is mirrored at the beginning of Pi, where the sum of the numerals up to the **42**nd digit is **210**, leaving a sum of **4240** to the place where the final sequence **42019** occurs.

We ask again: Is this possible, plausible, or just purposeful design?

Part IV

Numbers within Pi

Chapter 22

The Longest Repeated Number in Pi: 242424242

Since we've already proven that the digit placement in Pi is most certainly anything but random, we can note the most unlikely occurrence of **42424242**, or four consecutive **42's** (42-Letter Name of G-d reference) and/or three consecutive **424's** (*Masiach Ben David* references) at digit # **242424**.

Moreover, the **8** digit string divided by its location yields an equation such that $42424242/242424 = 175.000173\dots$ with **175** being Abraham's age and **173** being the small gematria value of the **42**-letter Name.

The full string found at digit #**242423** is **242424242** and is **9** digits long; this is the longest repetitive string found within the trillions of digits that man has searched to date, once again reiterating the connection to **9** and the **42**-letter Name and **Pi**.

Chapter 23

Nine(9) is Wisdom

Nine(9), Pi and the 42-Letter Name

Nine(9) is a unique number. In *The Genesis Prayer* we go into it in greater depth, especially regarding its connection to the **42**-Letter Name and Pi. One of the dozens of ways the Torah's first verse, the **42** Letter-Name, which is itself integrated into that first verse, and Pi are intimately related is through the number **9**.

This is revealed by taking the **42**-Letter name as a numerical string and dividing the number **9** by it. Keep in mind that the **9th** dimension, called *Chochma* or Wisdom, has the numerical gematria value of **73**.

$$9 / .123049027395534023292943802957033870306904 =$$

$$\mathbf{73.1415777} \\ = \mathbf{70 + 3.141577}$$

Astonishingly, **3.1415777** is only off from true **Pi** by .000475%.

But it's even closer to true Pi by an entire order of magnitude if we divide **9** by the Genesis Prayer's powerful first line instead of the whole 42 letters:

$$\mathbf{9 / .123049 = 73.141593....}$$

Off from true Pi by .0000**428**%

And not only is **5777** tantalizingly close to **5778**, but as we said earlier **73** is the numerical gematria value of *Chochma*, the **9th** dimension (*sefira*).

Moreover, if we divide this result by **2**, we get

$$\mathbf{73.14157771495/2 = 36.5708...}$$

And **36.5708** not only is illustrative of the number **365**, as in the days in a year and as in the **365** restrictive precepts in the Torah, but it is coupled with **5708**, the year Israel received statehood, **70** years before **5778**.

A Special Property of 9 Illustrated within Pi

The number Nine (**9**) when repeated—also called a rep-digit—has a unique property in that its square root approaches both a reflection of itself and also unity the more it's repeated. We see this illustrated in the sequence, **4999999**, found at digit #**763**, because the square root of **999999**, or $\sqrt{\mathbf{999999}}$, equals $= \mathbf{999.9994999999}$, which is essentially **1000**.

$$\sqrt{\mathbf{999999}} = \mathbf{999.9994999999} = \mathbf{1000}.$$

Oddly enough, both those specific sequences **999999** and **4999999** are included as well in the first **1000** digits in Pi, and they are found at digit #**763** and if we break down **763** into **7** and **63** and then divide **63** by **7** we get $\mathbf{63/7 = 9}$.

Chapter 24

10 Dimensions

10 Dimensions, 10 locations of 5778 and 424

The connection of the number **10** to the **10** entwined dimensions of modern String Theory, and/or the **10** concentric and intertwined spheres (*sefirot*) as Abraham described them is obvious.

The **10**-dimensional structure of our universe was first described by Abraham 3800 years ago in the *Sefer Yetzirah*, or *The Book of Formation*, but about 20 years ago this self-same **10**-dimensional structure suddenly became popular among modern physicists. They called it a Superstring theory. Now, it's almost universally accepted that our greater universe has **10** dimensions³.

So let's see how else this relates with Pi as concerns **5778** and this time with **424**, the numerical value of *Mashiach Ben David* (the Messiah, Son of David).

Let's venture briefly beyond the first **1000** digits in Pi and examine the first **10** locations of **5778** within Pi. The square root of their sum is quite telling.

633
948
954
14633
17139
24045
25122
30708

³ Most Superstring theories call for 10 dimensions, but the bosonic string theory requires 26 dimensions. Oddly enough, 26 is the numerical value of the Tetragrammaton.

$$\begin{array}{r} 31643 \\ \underline{34333} \\ \mathbf{180158} \end{array}$$

$$\sqrt{\mathbf{180158}} = \mathbf{424.450232}$$

Since the square root of this sum, or $\sqrt{\mathbf{180158}}$, equals $\mathbf{424.450232\dots}$, we have once again a numerical connection between $\mathbf{5778}$ and the Messiah, *Mashiach Ben David* through its numerical value $\mathbf{424}$.

But examining the equation $\sqrt{\mathbf{180158}} = 424.450232$ further we see that this resultant number $\mathbf{424.450232}$ can be directly broken down to $\mathbf{42}$, $\mathbf{4450}$ and $\mathbf{232}$, which connects it to the year $\mathbf{2019}$. How?

Remember, the sum of the numerals in Pi up to the final location of the sequence $\mathbf{42019}$ is $\mathbf{4450}$ as in $\sqrt{\mathbf{180158}} = 424.450232$.

And moreover, $\mathbf{232}$ is the sum of the four aspects of the Tetragrammaton ($\mathbf{72}$, $\mathbf{63}$, $\mathbf{45}$, and $\mathbf{52}$), a very key component in the ancient sages philosophy and their understanding of the $\mathbf{10}$ -dimensional structure of the universe.

That's pretty weird, right? And remember, modern Number Theory allows us to break down a number that way. We're not relying on ancient technology to unveil what the ancients knew thousands of years ago. We're using modern techniques and technology, but we're just beginning to catch up. We're just beginning to catch on!

Chapter 25

What's the Significance of 5 and 8?

That the numerical combination of **58** keeps reappearing as in 1801**58** and in 3**58**, the numerical value for *Mashiach*, the Messiah, etc is not surprising since it is at the core of the structure of the Torah in so many ways.

We go into this much deeper into this in *The Genesis Prayer* and in other papers of ours on the topic; nevertheless, one key critical way that **5** and **8** are related is through the collective total number of words, verses, and letters (the **3** principal elements) in the Torah (the **5** Books of Moses). They add up to exactly **5⁸**, or **5** raised to the power of **8**.

And, while **5⁸** written as number is **390,625**, the inverse of **390,625** is **1/390625**, and **1/390625** times **10⁸**, or **10⁸/390625**, equals **2⁸**.

The Total number of words, verses, and letters in the Torah = 390,625

$$390,625 = 5^8$$

$$10^8 / 390625 = 2^8$$

$$2^8 = 256$$

256 = "The Ark of the Covenant"

Now, **2⁸** or 2 to the power of **8** equals **256**, which is the numerical value of Aaron, Moses' brother, and of the "The Ark of the Covenant" but that is a topic of yet another paper, although it does partially illustrate the fact that **28** is also at the core of the Torah's structure. And it should also be mentioned, as we write about in that paper, that the only time the word *Mashiach* is mentioned in the Torah is in conjunction with Aaron.

Mathematics, Number Theory, and gematria combine ancient and modern wisdom to reveal even more about this divine schematic. When we look at the number **390,625**, and break it down into its two component parts, we can see the two numerical strings **390** followed by **625**.

And as it turns out, **390** is the numerical value for Heaven (*Shamayim*), the **5**th word in the Torah, and **625** is the numerical value for “The Crown” (*H’Keter*), associated with the **10**th and highest dimension, the one closest to divinity.

And considering the relevancy of connecting **5** and **8** together it’s perhaps more beautiful and significant that the square root of **5⁸** (the sum of the words, verses, and letters in the Torah) is also **625**, and that the number **.625** in fractional form is **5/8**.

The Total number of words, verses, and letters in the Torah = 390,625

$$390,625 = 5^8$$

$$\sqrt{5^8} = 625$$

$$.625 = 5/8$$

But far more astonishing still, though it’s a simple function of simple mathematics, is that the year 5778 can be transformed into the equation $5/7 \times 7/8 = 5/8$ as well:

$$5/7 \times 7/8 = 5/8 = \sqrt{(\text{Words, Verses, and Letters in the Torah})}$$

Was this planned from the conception of the Torah? Was it planned from the conception of Pi? Or was it just a really cool coincidence? That’s why we have free will: to decide for ourselves.

The Torah in Pi

We said earlier that there were five **5**-digit sequences that were duplicative in Pi. One was **42019** and another is **93751**. We know the significance of **42019**, so we assume **93751** must be important as well. Having **93751** as a repeated **5**-digit number means that **9375** is one of the **42** duplicative **4**-digit numbers in Pi as well.

And it just so happens that **9375** is equivalent to **(400,000 – 390,625)**, which is the collective number of words, letters and verses in the Torah, also known as the **5** Books of Moses. As noted in *The Genesis Prayer*, **9375** is also **3** times **5⁵** or **(5⁵ + 5⁵ + 5⁵)**.

**The Total number of words, verses, and letters
in the Torah = 390,625**
390,625 = 5⁸
400,000 = 5 x 80,000
Number of Books in the Torah = 5
Idealized number of words in the Torah =
80,000
(400,000 – 390,625) = 9375
9375 = (3 x 5⁵)
9375 = Duplicative Sequence in Pi

The number **400** is significant because the final letter in the Hebrew alphabet has a value of **400** and because the Torah, as we've seen, is based on **5** and **8** and there are **80,000** idealized words in the Five **(5)** Books of Moses and **400,000 = (80,000 x 5)⁴**

⁴ The actual number of words in the Torah are either $(80,000 - 5)^2$, or $(80,000 - 24)$ depending on the interpretation of a single letter that is also considered by many of the sages

The placement of these two duplicative **93751** sequences within the first 1000 digits in Pi are curious as well. The sum of the digits through the first sequence at digit #46 is **231**, as in Abraham's mysterious **231** Gates of Wisdom, which as he pointed out in his *Sefer Yetzirah, Book of Formation*, written 3700 years ago, are the number of lines necessary to connect **22** points (letters of the Hebrew alphabet) arranged in a circle.

Be that as it may, the second occurrence of the **93751** sequence within the first 1000 digits in Pi is curiously at digit # **942**, just before the final **5778185778** sequence, and the sum of the digits where it ends and the **5778185778** begins is **4240**, as in the value of *Mashiach ben David*, the Messiah son of David.

to be a separate word. Either way, both numbers are correct and the valid addition or subtraction of the *kolel*(1) for the whole, would correct it in either regard.

Chapter 26

The Square Root of Two(2), the Torah and Phi

After Pi, and probably even before phi, the square root of two (2) is the next most famous and utilized mathematical constant. So why wouldn't it too be connected to this grand scheme of things?

Of course, it does, and quite eloquently.

As first revealed in *The Genesis Prayer*, if we take the collective number of words, letters, and verses in the Torah and divide that by the sum of the square root of 2 plus 1, we get Phi times 10^5 , accurate to 5 decimal places.

$$390,625/(\sqrt{1}+\sqrt{2}) = 1618022$$

It's actually only off by only .0007577% from an impossibly exact Phi (1.6180339887).

In other words, 390,625 divided by the sum of the square roots of the first two natural numbers = Phi.

We ask again: Was this planned from the conception of the Torah? Was it planned from the conception of Phi? Or was it just a really cool coincidence?

That's why we have free will: to decide for ourselves.

Chapter 27

The Torah is Automorphic

It gets wilder.

There exists a type of number called automorphic. A number is considered automorphic if the decimal expansion of that number(n) squared ends in a numerical string of that number itself (i.e. in the form $n^2 = xxxn$).

In other words, **625** is an automorphic number because $625^2 = 390,625$. How about that!

The entire structure of the Torah is based on an automorphic number. Who picked it? It's a good bet Moses never heard term automorphic.

It's a good bet that most of us haven't since there are exactly and only **8** automorphic numbers under 10,000. There's that number **8** again. Kind of a coincidence don't you think?

These automorphic numbers are also called curious numbers, and it's curious that the first **10** of them are **1, 5, 6, 25, 76, 376, 625, 9376, 90625, and 109376** since **5** is the **8th** root of the 3 main Torah elements collectively; **25** is the **4th** root of the 3 of the main Torah elements collectively; **625** is the square root of the 3 main Torah elements collectively; **90625** is the main part of the **390,625** collective Torah elements; and **376** is *Shalom*, peace.

There's more to these numbers, but I think that's pretty amazing as it is.

Chapter 28

The Messiah

The numerical value for the “Messiah” (*Mashiach*) is **358**, and while the first occurrence in Pi of **358** is right at the **10th** digit, the next occurrence is 360 times as deep into the endless digits of Pi at digit # **3600**, which is quite a curious coincidence considering that immediately following digit # **358**, we find the sequence **3600**.

This would be at digit #**359**, which is also “Messiah” (*Mashiach*) in Aramaic, the language the sages used for concealment.

...903600...

Nevertheless, right at digit # **358**, we have the sequence **903**, as in the sum of the integers from $\Sigma(1 \text{ to } 42)$, and interestingly enough, considering the entire Divine Calendar is centered around the numbers **8** and **42**, it’s obviously not a cosmic coincidence that the **Log (8) = .9030**

The numerical value of **358**, which represents the well-established gematria value of the Messiah, is found as a whole word value exactly **80** times in the Torah, while the total sum of the numerals within Pi though the **800th** digit is **3580**.

Moreover, **40** is the age of completion and maturity in the Bible and the total sum of the numerals within Pi though the **358th** digit is **1600**, which is not only **80 x 20**, or **800 x 2**, but **40²**.

Examples of the **40** year/day time span in the Bible include: Moses being summoned by God at the age of **40**; **40** years passing before he stood in front of Pharaoh again; his spending **40** days and **40** nights with the Creator on Mt. Sinai; and his living another **40** years; and his recital of the Book of *Deuteronomy*, the last Book of the Torah in **40** days; the Flood raining for **40** days and **40** nights; the Israelites wandering in the desert for **40** years; Isaac’s age (**40**) when he married Rebecca; Esau’s age (**40**) when he married Judith; the spies searching of the land for **40** days; Joshua’s age (**40**) when he took over from Moses; Solomon’s reign of **40** years; David’s reign of **40** years; and Eli’s reign of **40** years.

Also, according to the Christian Bible, Jesus spent **40** days in the desert and rested for **40** hours in his tomb.

Furthermore, Mohammed received his first revelation at the age of **40**; and Buddha began his mission at the age of **40**.

Chapter 29

The Hindu Calendar

The earliest Hindu calendar is the Kali Yuga one and it begins at **658** HC on the Hebrew Calendar, which works out to exactly **1000** years before the Flood ended. And as we know from our work in *The Divine Calendar* nearly all the significant Biblical dates end in the number **8**.

Whether there's any valid connection here is hard to say, but the numerical string **658** is found in Pi at Digit # **871**, and the log of the sum of all the numerals in Pi through digit # **871** is **3.5880**, once again linking the numerical value for the Messiah, **358**, with the number **80**, and the **80** occurrence of the word value **358** in the Torah, and further linking it to a critical starting date of a major religion. And of course, **658 = 666 - 8**.

Chapter 30

The Messiah and the Tetragrammaton

The small gematria numerical equivalent of the Tetragrammaton (יהוה) is **1565** and like over 90% of all the possible **4**-digit sequences that could be in Pi, it's *not* found within the first **1000** digits in Pi *even once*. But it is first found within Pi at digit # **13586** and then again at **5** digits later at **13591**. It's thus placed just right to authenticate both numerical values for the Messiah, **358** in Hebrew, and **359** in Aramaic.

And this sequence of double Tetragrammaton is immediately followed by the sequence **666111359**, making the total value of the full sequence sum up to **77**.

...156551565666111359...

Chapter 31

What's the Significance of 77?

Seventy-seven, **77**, is not only the central numerical component of **5778**, but the gematria word value for *mazal*, meaning benevolent fortune (fate). It's also significant in the Torah—we go into this in much greater depth in other papers—for several reasons. First of all, there are **77** key duplicated words in the Torah that more often than not appear to be completely superfluous, like saying Abraham Abraham, which even my word-processor just flagged as a mistake.

We know there's not even a single errant letter in the Torah, as the ultra-precise quantitative equations have proven—and we've only given a couple examples of them in this book—so placing **77** of them like railroad tracks through the Torah must be significant.

Then secondly, the sum of the positive integers through **77** is **3003**, which is also the total sum of the gematria values for the first **8** words in the Torah, and according to the eminent sage Rabbi Isaac Luria, **8** is a number that is connected to *mazal*.

And moreover, utilizing the last **3** components of the date **5778**, we get **77** times **8** equals **616**, the numerical value of "The Torah." And for what it's worth, **3003** is found in Pi at **1358** digits after the decimal place.

This may be significant too. Is it coincidence that the number **77** is the sum of the first **8** prime numbers. Doubtful, right? Whoever was capable of authoring the Torah would have built that knowledge into it, but would He have also built in that the square root of **77** is **8.775** or **5778** backwards?

There's yet another significant Torah connection to **77** and that is that the number of occurrences of the name of G-d, Adonai, is exactly **77** times. Another coincidence?

Chapter 32

Are there Other Connections Between 5778 and 28?

While the square root of all the words in the Torah is $\sqrt{79976} = 282.8002828$, when we take a truncated version of the irrational mathematic constant Phi (.16180, instead of 1.618033...) and divide it by 5778 we get $1.6180/5778 = .000280028$.

$$\begin{aligned} \text{Words in the Torah} &= 79976 \\ \sqrt{79976} &= 282.8002828 \\ 1.6180/5778 &= .000280028 \end{aligned}$$

We can go on and on about 28 and in our book, *The Torah Decoded*, we do, but for pure mathematical weirdness, it's hard to top this next connection.

Is there Another Connection between Phi and 5778 and 666?

We just saw how the square root of the number of words in the Torah connected to the core Torah number 28, and that same number of words (79,976) can also be represented as (80,000 - 24), or .03% less than a idealized 80,000 words.

As it turns out $5778/(24 \times \text{Phi}) = 107.666673$. And when we break down that number to 107, 6666 and 73, we see that the sum of all the positive integers through 107 is exactly 5778 and that 73 is the numerical value of the dimension called *Chochma* (wisdom), which we'll get into later, and well, 6666 is pretty obvious.

$$\begin{aligned} \text{First Verse in Torah} &= 28 \text{ Letters} \\ \text{First 28 Letters} &= \sum 73 \end{aligned}$$

$$\begin{aligned}
 \text{Words in the Torah} &= (80000-24) \\
 5778 / (24 \times \text{Phi}) &= 107.666673 \\
 24 &= (6+6+6+6) \\
 \sum 107 &= 5778
 \end{aligned}$$

Want to See Something Wild?

We know through the illustrations of the sidereal years that **5778** and **28** are interrelated; and that not only is **28** a core Torah number, but the first verse in the **Torah** has **28** letters and their collective numerical value is equivalent to the sum of all the integers through **73**, or $\sum 73$; and that **5778** and **Phi** are not only summarily integrated but also have a special relationship with the number **107**; and also that **5778** is equivalent to all the digits through **107**, or $\sum 107 = 5778$.

So how wild is it that **107** is the **28th** Prime Number?

107 = 28th Prime Number

The number **107** is not only the **28th** prime number, but is also the 11th Mersenne Prime, one with 33 digits. There are only 44 known Mersenne Primes, making this a very rare number. Interestingly enough, since **107** and **28** are interconnected, it's notable that of the **28** letters in the Torah's first verse, there are only 11 unique ones.

First Verse in Torah = 28 Letters
107 = 28th Prime Number
107 = 11th Mersenne Prime
Of the 28 Letter, only 11 are Unique

Sociable Numbers, 5778 and 28

Moreover, there exists a rare set of numbers, called Sociable Numbers. They are a sequence, or chain of numbers, each of whose numbers is the sum of the factors of the preceding number, excluding the preceding number itself. For example, the factors in the number 12 are 6 and 2 and 4 and 3 and 1 and 12, so discounting the number 12 itself, the sum of the factors is $(6 + 2 + 4 + 3 + 1) = 16$; therefore, the next number in the chain would be 16.

And for the sequence to be considered sociable, the sequence must be cyclical, eventually returning to its starting point, the first number in the chain. The example above wouldn't work. In fact, very few numbers work.

When we examine this very limited set of exceedingly rare numbers we find that the longest chain by far has **28** links and that the **19th** link in that chain, as in **2019**, is **285778**.

There we go, once again tying together a unique mathematical oddity to the year **5778.28**

666, Primes, 28 and back to 5778

Now this may be pure coincidence but **16661** is the first *palindromic prime* to include **666**, meaning it's written the same backwards and forwards.

But more significantly **16661** is the **1928th** prime, which now connects **666** with **5778** through the **19th** of the **28** links in the Social Number chain.

Furthermore, **16661** is a very special kind of prime number in that the sum of the decimal digits of **16661** is equal to the sum of the digits of **1928**, seeing as **16661** is the **1928th** prime number.

$$1 + 6 + 6 + 6 + 1 = 1 + 9 + 2 + 8$$

It just so happens that “16661 is in the form $1[0\dots 0]666[0\dots 0]1$ and that the next one after 16661 is

10000000000000**666**000000000000001

which can be written concisely using the notation $1\ 0_{13}\ 666\ 0_{13}\ 1$, where the subscript tells how many consecutive zeros there are. Harvey Dubner determined that the first **7** numbers of this type have subscripts 0, **13**, **42**, **506**, **608**, 2472, and **2623** [see *J. Rec. Math*, 26(4)].”

We all recognize **42**, as in the **42**-Letter name of G-d that is connected to making miracles by morphing reality and to the final redemption.

I know that by now most of us also recognize **13** as the numerical value of *ahava*, love and also of *Echad*, One, as in “G-d is One.”

And if you’ve read *The Genesis Prayer*, you probably recognize **506** as the numerical value of the first line (six letters) of the **42**-Letter name matrix and know that **506** is the numerical value of **unconditional love**.

And some of you will recall that **608** is Mohammed’s birth date.

So isn’t it really weird that just before the first **5778** in Pi we find the numerical sequence

...**26356082778577 1342 75778**

And for what it’s worth, the numerical string where the first place in Pi that **16661** is found is

...23**608 16661 1305426**...

We see that **16661** is preceded by **608** and followed by **13** and **42**.

Is somebody trying to tell us something?

Chapter 33

Triangles and 666

The Unique Pythagorean Triangle

Another interesting tidbit about **666** is that there is **only one known** Pythagorean triangle whose area is a repdigit number:

**The Triangle with sides 693, 1924, 2045
has an area of 666666**

Isn't that interesting? The very number **666.666** that the sages used to calculate the date of the final redemption and there's no other number so far discovered that gives a repeated digit sequence as the area of a Pythagorean triangle, at least with an area less than 10^{40} (the limit of the triangles that's been searched so far).

Triangular Numbers

Simple triangular numbers are built into the constructs of the Torah—some of these are highlighted in *The Genesis Prayer*—but for our purposes here it's suffice to note that **666** is the 36th triangular number and that it's the *only* repdigit one. You can visualize triangular numbers as forming pyramids one layer at a time

1		levels = 1
23	triangular # = 3	levels = 2
456	triangular # = 6	levels = 3
7890	triangular # = 10	levels = 4
12345	triangular # = 15	levels = 5
678901	triangular # = 21	levels = 6
2345678	triangular # = 28	levels = 7
90123456	triangular # = 36	levels = 8

Notice that while the Torah's first verse, whose gematria has revealed Pi to several decimal places has **7** words and **28** letters, both triangular numbers, and that the **8th** triangular number has a value of **36** and the **36th** triangular number has a value of **666**.

Technically, a triangular number follows the following mathematical condition: $T(n) = (n)(n+1)/2$.

Triangular Numbers and 5778

Here's another odd one for you. If we add up the triangular numbers corresponding to the digits in **5778** or triangular numbers with **5** levels, **7** levels, **7** levels and **8** levels, we get **(15 + 28 + 28 + 36) = 107** and we know that the sum of all the positive integers through **107** or $\Sigma(1-107) = 5778$.

And since triangular numbers by definition are the sum of all the positive integers through that number (n), then **5778** is the **107th** Triangular number.

Chapter 34

Primes, 666 and the Tetragrammaton

Primes numbers, or non-factorable numbers, have always intrigued Number Theorists as being special and unique and as having a special place in the random or not so random nature of the universe.

So while the sum of the first **7** primes is **58**, which we may or may not associate with the **58**'s we've been encountering, the sum of the squares of those first **7** primes is **666**, as illustrated below:

$$\mathbf{666} = 2^2 + 3^2 + 5^2 + 7^2 + 11^2 + 13^2 + 17^2$$

Interestingly enough, while many more primes are found within the first **1000** digits of Pi there, only the first **26** consecutive primes are found there. And we know that **26** is the numerical value of the Tetragrammaton. Meaningful? Maybe, who is to say?

Chapter 35

Gramain-Masser and Napier's Constants

To be clear there are numerous mathematical and physical constants and finding one, like the square root of **3** being **1.7320...** and knowing that **173** is the small gematria value of the **42**-Letter name may mean something deeply profound or nothing at all. In this case just mentioned it probably is significant, but in the case of the obscure Masser-Gramain constant may just be coincidence.

Nevertheless, we're presenting it because it may indeed be an example of the unceasing integration of the mathematical constants of base **10** mathematics with the year **5778**.

If you recall, we've already discussed the equation $\mathbf{\Pi/2} = 1.5708$, and the fact that **5708 HC** is the year Israel became a nation.

The Masser-Gramain constant is a natural two-dimensional generalization of the Euler-Mascheroni constant, which is too complicated for us to explain at the level of mathematics used in this book, but is very important for Number Theory in general.

It just so happens that the Gramain-Masser constant, which is equivalent to $\mathbf{\Pi/2e}$, equates to **.57786367...**, and thus numerically serves as a linkage between **5778** and $\mathbf{\Pi}$ once again, and this time with \mathbf{e} , Napier's constant.

Napier's constant, \mathbf{e} , is the base of the natural logarithm and as such is second only to $\mathbf{\Pi}$ in its importance to mathematics. Its value is approximately **2.71828182845**.

That we find \mathbf{e} , connected to **5778** and $\mathbf{\Pi}$ is no real surprise given its importance. And surely it's connected in ways we can't even imagine, but if you examine it's first 12 digits you might detect an odd pattern, whereby **18** and **28** keep coming up:

$$\mathbf{e} = 2.71828182845.$$

27, 18, 28, 18, 28, 45

Since $45 - 27 = 18$

We have

18, 28, 18, 28, 18

The 1st 6 digits = 2.71828

And $(2+7+1+8 +2 +8) = 28$

The 2nd 6 digits = 182845

And $(1+8+2+8 +4 +5) = 28$

What this means, if anything is anyone's guess right now. And selecting the first **12** digits is certainly arbitrary though we only chose it because of all that was found within the very deliberate first **12** digits of Pi.

Chapter 36

What Does the Fine Structure Constant have to do with Ishmael and 5778?

With the fall of Cyprus, all the Mid-east was subdued by the Arabs in **648** CE, which corresponds to **4408** HC and to **28** A.H. in the Islamic Calendar. This date is significant for many reasons. One, they all end in **8**, as with so many (almost all) of our remarkable divine dates, and two, **28** is one of the very few key core Torah numbers, but more significantly for us right now is that **4408** HC is exactly **1000** years after than **3408** HC, when the Second Temple was built and (**137** times **10**), or **1370** years before **5778**. And according to the sages these represent **10** years for each of the **137** that Ishmael lived.

Now the fine structure constant, also called the alpha or coupling constant, is the measure of strength of the electromagnetic force that governs how electrically charged particles such as electrons interact with light photons. It is equivalent to $1/137.0360285533$.

Ergo the connection to **1370**, but there's more. We also know from the sages that **137** is the numerical value of the Hebrew word *Kabbalah*, meaning "To Receive."

There are two other suggested equivalents for this number, both of which begin with $1/137.0$. They are $1/137.036$ and $1/137.03599$, but Pi accommodates for all of them in that the **359**th digit in Pi is **3600** and at digit #**3599** after the decimal place is the second location for **358** in Pi, and as we know from the kabalistic sages, **359** is the numerical value for Messiah in Aramaic, just as **358** is in Hebrew.

Moreover, the Log of the sum of the numerals within Pi up to the first location of the numerical string **137** at digit #**860** is **3.5870**.

Just as we'd might expect 5778∇ or $5778/137.036 = 42.164102863$. Whether it means anything is not for us to say, but the number sequences here are chock full of meaning from **42**, as in the **42**-Letter Name of G-d, to **216**, and the *sefira* (dimension) of *Gevura* (Judgment); to **64**, the numerical value of Judgment in Hebrew (*din*); to **410**, the numerical value of Holy in Hebrew (*kadosh*); to

102, the numerical value of Faith in Hebrew (*Emunah*); to **28**, the core Torah number and the numerical value of Unification in Hebrew (*Yechud*); to **86** (*Elohim*); to **63** the aspect of the Tetragrammaton associated with the dimension of *Binah* (Understanding).

And as for **36** in **137.036**, while we know that the sum of the integers through **36** is **666**, the sum of the numerals in Pi through digit # **36** is **173**, as in the small gematria value of the **42** Letters in the **42**-Letter Name of G-d.

So what Richard Feynman, one of the greatest minds of the 20th century, calls “one of the greatest damn mysteries of physics: a magic number that comes to us with no understanding by man,” and goes on to add, “You might say the hand of G-d wrote that number, and we don’t know how He pushed his pencil,” the sages have known since the dawn of the written language. G-d couldn’t have made it any clearer which tools we’re to use. In a few paragraphs you’ll see why He pushed his pencil that way.

Just a Thought

If the fine structure constant was $1/137.028$ instead of $1/137.036$, off by .008, then it would equal approximately .00729780, which is the numerical string that we found earlier in Pi and which represented exactly 729780 days, or precisely 1998 sidereal years, which was further equivalent to 1998.28 mean solar or Gregorian calendar years.

At any event, **1/137.036** is still equal to **.007297353** and while **729** is nine cubed, **9³**, and is also the numerical value of the second line of the **42**-Letter Name 6 x 7 matrix, the line associated with the level of *Gevura*, the value **73**, or **.007297353** rounded off, is the value of the word *Chochma* the 9th *sefira*, or dimension, meaning Wisdom, and meaning the realm where Wisdom emanates.

How Does the Fine Structure Constant Connect to the 22 Hebrew Letters and the Divine Calendar?

If you've read *The Divine Calendar* then you know that the time span of **70** years is integral to that calendar and to a divine plan from Abraham's birth, to David's, to the construction and destruction of the Holy Temples, to the founding of Israel and to the year **5778**, **70** years later. And you might also recall that we explained that the natural \log^5 —a system inherent in mathematics—of the number **70**, or in mathematical notation, LN (**70**), equals **4.2484**...

And as we've pointed out already: the number **42** in **4.2484** corresponds to the **42**-letter Name of G-d, which is associated with the final redemption; the **424** in **4.2484** corresponds to the numerical value of the Hebrew phrase "משיח־בן־דוד" "*Mashiach Ben David*," "Messiah son of David"; and the **248** in **4.2484** corresponds to the numerical value of Abraham and also of the Name of the 4th Book of the Torah, *Bamidbar*, commonly known as "Numbers," the Book that lists the **42** places that the Israelites journeyed to in the Wilderness on their way from the darkness of Egypt to the Promised Land; and finally, the **84** in **4.2484** is representative, according to the sages, of the Hebrew word, "פד" *Pad*, meaning redemption, and of the unification of the upper and lower **42**-Letter Names together (**42** + **42** = **84**).

If you're not a fan of gematria, hang in there; it'll all come together for you shortly.

⁵ The **logarithm** of a given number to a given base is the power (exponent) to which that base needs to be raised in order to get the number. For example the logarithm of 100 to the common base 10, as in our base 10 mathematics, is 2, because 10 raised to a power of 2 is 100. The **natural log** on the other hand is when the chosen base is the irrational constant e , which is 2.718281828459... In other words LN (**70**) = $\log_e(\mathbf{70})$; therefore the natural logarithm of a number x is the power to which e would have to be raised to equal x and in this specific case it is the power to which e would have to be raised to equal **70**.

So was the divine calendar's redundant time frame of **70** years just coincidence? Or do our mathematics and physics reflect some higher spiritual/cosmic equation that ties our lives and history to the year **5778** of Divine Peace? To the Messiah, **424**? To the **42**-Letter Name of G-d? And to Abraham?

If you tried reading the footnote on logarithms, you know that getting from **70** to **4.2484** meant doing a mathematical function utilizing yet another primordial constant, this time **e**, whose value is 2.718281828459... Simple for a computer. Not so easy 4000 years ago.

And not so easy considering that the approximate value of **e**, or 2.718281828459, was not calculated and published until around 400 years ago, in 1618, in a table of an appendix of a work on logarithms by John Napier.

But there's more to it that, much more. The connection between the number **70** goes even deeper into the Israelite consciousness, as **the sum of the values of all the 22 letters of the Hebrew alphabet when spelled out is 4248** and as we've just shown, **LN (70) = 4.2484**.

LN (70) = 4.2484 = Sum of the 22 Hebrew Letters

Innate Power in the Hebrew Letters

In other words, the use of the Hebrew alphabet can connect us to the place of **70**, [Da'at, or knowledge](#), redemption, and the continuous flow of light to the world. That's not to say that the use of Hebrew alone will bring us to that state, but that there is an innate energy (as numbers are only measures of specific levels of energy) in the letters.

As you can see there was a purpose in choosing **70** to play such a prominent roles in our history and in the Bible. And there was a

purpose in disconnecting the majority of the people from the Hebrew language during the Tower of Babel incident and in creating **70** languages for them. And just like that, there is a purpose in us being able to finally comprehend the connections that were at one time at people's fingertips. It's time for us to reconnect. Of the final **70** years of the **73rd** generation from **1948** CE to **2018** CE we have only **10** years left.

Gematria Ciphers for the Hebrew/Aramaic Alphabet					
Hebrew/ Aramaic	Standard Gematria	Small Gematria	Ordinal Position	Letters	Spelled- out Value
א	1	1	1	אלפ	111
ב	2	2	2	בית	412
ג	3	3	3	גמל	73
ד	4	4	4	דלת	434
ה	5	5	5	הי	15
ו	6	6	6	ויו	22
ז	7	7	7	זין	67
ח	8	8	8	חית	418
ט	9	9	9	טית	419
י	10	1	10	יוד	20
כ	20	2	11	כף	100
ל	30	3	12	למד	74
מ	40	4	13	מם	80
נ	50	5	14	נון	106
ס	60	6	16	סמך	120
ע	70	7	16	עין	130
פ	80	8	17	פא	81
צ	90	9	18	צדי	104
ק	100	1	19	קוף	186
ר	200	2	20	ריש	510
ש	300	3	21	שין	360
ת	400	4	22	תו	406
					4248

But there's still more to it than that, much more. The simplest Name of G-d is *El* (אל), meaning God, and it has a numerical value of 31, as in the first two digits in Pi. When we multiple *El* אל (31) by the fine Structure constant we get:

$$31 \times 137.03599 = 4248.1156$$

And if you examine the equation $31 \times 137.03599 = 4248.1156$ again and recall from *The Divine Calendar* that there are exactly **115.6** jubilee years from the birth of Adam (Creation) to the year **5778**, it should all come around for you.

Now we have an answer for Richard Feynman.

Chapter 37

Logs and Phi; The Remarkable Coincidence.

You may have noticed in the last chapter that buried within all those astonishing revelations of how the Fine Structure Constant, Pi, the Hebrew alphabet, the **42**-Letter Name, and **5778** are all interrelated, was a comment about when John Napier first published his calculations of **e**, the base constant for natural logs in **1618**, or 400 years before **2018 CE (5778 HC)**,

Considering what we know of the connection between the Hebrew alphabet and the **LN(70)** and of the Fine Structure Constant's connection to it, it might indeed be meaningful that **400** is the value of the last Hebrew letter in the alphabet, *Tav*.

But even more significant, considering all that we know about the divine calendar, is that the year **1618**, when John Napier published the value of **e**, may very well be analogous to the value of Phi, **1.618033988...**

The Value of e First Published in 1618 CE

Phi = 1.6180339887...

Phi makes 5778 Unique

Value of last letter in Hebrew Alphabet =400

1618 + 400 = 2018 CE

2018 CE = 5778 HC

Chapter 38

What Deeper Secrets can we Understand from All This?

So far these have all been revelations based on observation and knowledge, and they collectively add up to a new faith or at least uneasiness that the universe was not what we thought it was and that nothing is as it seems.

This next and slightly deeper secret comes from a place of understanding, understanding what has already been revealed by the placement of the specific numerical strings within the first 1000 digits of Pi.

We've already said that the first **12** digits of Pi end in the numerical string **358**, which is the numerical value of *Mashiach*, the Messiah, and that they sum to **52**, and we've seen that **52** when divided by **9**, as in the **9** digits preceding the first **358**, is **52/9 = 5.778**

We've also already noted that the sequence that indicates the locations of the three **5778**'s is **622644948954**, and that this sequence is located at digit # **182**, which is the numerical value of the Patriarch **Jacob**.

We've also noted that the sum of this similarly long **12**-digit sequence is **63**, as in the second aspect of the Tetragrammaton, the one associated with the *sefira* (dimension) of *Binah* (Understanding), in the same way that **52**, the sum of the first **12**-digit sequence in Pi, is associated with the fourth and final aspect of the Tetragrammaton, *Malchut*, which means Kingdom.

We've further noted that the **10**-digit sequence **5778185778** is located at digit # **948**, which is **52** digits before **1000**, yet again an allusion to the final aspect of the Tetragrammaton, *Malchut*. And furthermore that the sum of the numerals in this sequence is **63**, another possible association with the dimension of *Binah* (Understanding).

Moreover, we've also seen that the sum of the numerals up to the **5778185778** sequence (up to and including digit # **947**) is **4240** (or **10 x 424**, *Mashiach Ben David*, (the Messiah, Son of David).

And finally, we also mentioned that the sum of digits from the end of the final **5778185778** sequence to the conclusion of the first **1000** digits in Pi is **210**, as in the years of exile that the Israelites experienced in Egypt that began when **Jacob** and his **12** sons entered it.

1000 is unequivocally the symbol of the level of the highest *sefira* (dimension), the crowning one called *Keter*.

Now, what this means is that from the beginning of the final **5778** sequence to the end of the **1000** digits those **210** years is represented by **52** digits, again representative of Malchut. As the bottom rung of the **10 sefirot** (dimensions), *Malchut.*, the level of manifestation, is our plane of existence, the arena where the physicality occurs.

And the time of exile when the Israelites were in Egypt was considered the time of their basest physicality, and so, if we look at these **1000** digits as a puzzle to be deciphered it might be inferred that the ending of our final exile period, which will be **1948** years long if it indeed ends in **5778**, will once again reflect that *malchut* stage.

Continuing to decipher the puzzle, we find that the sum of digits in the final stretch of Pi from the last **5778** signpost (**5778185778**) through the end of the **1000** digits, the point of *keter*, is comprised of **42** digits that total **147**.

In the Torah portion *Vayechi*, we learn from its' first verse that Jacob lived **147** years, the last **17** of which were in a state of happiness with Joseph in Egypt. Two portions earlier in the Torah in *Vayeshav*, also in the first the first verse—one of the most important paragraphs in the Torah—it makes a point of telling us that Jacob and Joseph were blissfully together for **17** years.

The number **17** to the sages immediately signifies the numerical value of *toiv*, good, as in G-d created Light on the first day and it was “good,” and the numerical value for the two words in Hebrew that together spell out **17** is **947**, just as in digit #**947**, where we find **4240**, *Mashiach Ben David*.

“G-d saw that the Light was good”

And it just so happens that the **1000** digits of Pi ends in ...**420198**, and while the connection to the **42**-Letter Name is obvious and the cryptic message of a new era beginning in **2019** is not so cryptic, the last two digits in these **1000**, or the final step up to *keter*, are **9** and **8**, and they sum up to **17**, *tov*.

While the word *Tov*, good, appears **7** times in the **31** verses of the act of Creation (Genesis 1:1–**31**) it appears another **31** times in the entire Torah for a total of **38** times, which may or may not be reflected in the first and last digits of the **1000** digits of Pi (**3** and **8**) and also in the first **12** digit sequence of Pi (**3.14159265358**).

We appear to be moving forwards and backwards in time at once, toward *Mashiach* and towards the light of Creation, back to the **210** years of Exile, further back to the time of Jacob, to his happy early years with Joseph.

Wisdom

We said that this first paragraph in *Vayeshav*, was one of the most important paragraphs in the Torah, and as taught to us by the sages of blessed memory, the Torah gives us distinct clues to that fact. This particular paragraph is the **73rd** paragraph in the Torah and it also happens to be the **37th** chapter. While **73** is the numerical value of the second highest *sefira* (dimension), that of *Chochma* (Wisdom), **37** is the ordinal value of the letters (or inner heart) of that same word *Chochma*. Together, the two sum to **73** plus **37**, equaling **110**, the number of years Joseph lived, and moreover, the numerical value of the word *nes*, miracles. There's much more, including a deep connection of both **73** and **37** to the Torah's first verse, but you can read more about that in *The Genesis Prayer*, and much more about all the encoding of the Bible in our soon to be released book, *The Torah Decoded*.

Nevertheless, it's the connection to *Chochma* and Wisdom and the knowledge that we are connecting to the seed level of creation, the place that the **42**-Letter Name of G-d connects to, that is important here.

Back to Pi

Jacob and Mashiach

The **1000** digits less the final **147** digits, representing Jacob's full lifetime, gives us (**1000-147**), or **853**, which is **358** (*Mashiach*) backwards. And the sum of all the numerals through digit # **853** is **3803** and while **380** is the numerical value of the word Egypt (*Mizra'im*), a Biblical code word for spiritual darkness and self-indulgent pleasure, the Log of **3803**, or **Log (3803) = 3.5801263**, expressing through mathematics and numbers once again the Messiah (*Mashiach*).

And the last digit of those **52** digits that sum to **210** is **8** and Jacob was born in **2108**.

Going Backwards in Time

To anyone who has read *The Divine Calendar* the connection to Jacob is obvious and obviously part of a grand scheme, meaning that these insights herein provided offer more than a mathematical picture; they are a blueprint to the final period and to what is to come.

In *The Divine Calendar* we saw how the early dates were all mirrored in the final ones with Abraham's birth in the Hebrew calendar (**1948** HC) being the same as Israel's statehood (**1948** CE) in the Gregorian one and likewise the Covenant of Abraham **70** years later, in **2018** HC to the year **5778** and **2018** CE, etc, so it's not surprising that the Pi blueprint is leading us backward in time through the exile in Egypt to Jacob toward Creation.

So let's look further.

31415926535897932384626433832795028841971693993751058209749
 4459230781640628620899862803482534211706798214808651328230664
 70938446095505822317253594081284811174502841027019385**211055**
5964462294895493038196442881097566593344612847564823378678
 3165271**2019**0914564856692346034861045432664821339360726024914
 1273724587006606315588174881520920962829254091715364367892590
 3600113305305488204665213841469519415**116094330**5727036575959
 1953092186117381932611793105118548074462379962749567351885752
 724891227938183011949129833673362440656643086021394946395224
737190702179**86094370**27705392171762931767523846748184676694
 051320005681271452635608277857713427**5778**96091736371787214684
 409012249534301465495853710507922796892589235**42019**9561121290
 219608640344181598136297747713099605187072113499999983**729780**
 4995105973173281609631859502445945534690830264252230825334468
 5035261931188171010003137838752886587533208381**4206171776**691
 473035982534904287554687311595628638823537875937519**57781857**
780532171226806613001927876611195909216**420198**

Joseph and the United States of America

As students of history, few of us would argue that the date for the Declaration of Independence on **July 4th 1776** was anything more than a culmination of a series of events and definitely not some predetermined cosmic occurrence. So it's probably just coincidence that we find the numerical string ...**1776**... at digit #890 in Pi, **110** digits before the end of the first **1000**.

As we've discussed the Joseph lived **110** years and **110** is also the numerical value of the word *nes*, miracles, and we've just discussed Joseph's and his father, Jacob's, connection to the number **17** so if nothing more, it's interesting that the string **1776** in Pi is preceded by **17** as in ...**171776**.... And **July 4th 1776** is also the **17th** of *Tammuz* (the **4th** month) in the Hebrew calendar and that **1776 = 4 x 444** or **111 x 24**. And while **4** is emblematic of the **4** letters of the Tetragrammaton, and **111** is the numerical value of the first Hebrew letter *Aleph*, representative of both the beginning and one thousand, **1776** is **242** years before the year **2018**.

The Writing on the Wall

The number **1776** also connects to one of the great mystical mysteries of all time, the writing of the wall. In the Book of Daniel, during the period of the Babylonian exile, King Belshazzar desecrated the sacred golden vessels taken from the Holy Temple and a hand appeared in this air and writes "*Mene, mene, Tekel Uspharsin*" on the wall in a script never seen before. Daniel gave the king one interpretation of this that the kingdom would be coming to an end. Another similar translation is "numbered, numbered, weighed and divided." To the ancient kabbalists these **4** Hebrew words held great power and deeper significance; nevertheless, their collective numerical value is **1776**.

The Tetragrammaton and the Race to the Finish

The sequence immediately following the prophetic **622644948954** one is **930**...possibly representative of the **930** years of Adam's lifetime, and we wouldn't even make that possible assumption if we hadn't seen in the *The Divine Calendar* that the numbers and totals in the **26** generations from Adam to Moses weren't so prophetic on their own.

Nevertheless and regardless if this is connected to Adam and the beginning or not, the sum of the numerals through the first digit after **644622948954** is **873**, which means the resultant total from here through the end of the **1000** digits is **3577**, a numerically graphic representation of **3 5778**'s. And whether or not this analysis is justified is open to interpretation, but the next two numbers in the sequence is **38**, ...644622948954930**38**..., as in the first and last numbers in the **1000** digits.

Maybe, maybe not, but since the name Adam, has the numerical value of **45**, representative of the third aspect of the Tetragrammaton, *Zeir Anpin*, which encompasses the **6** intertwined dimensions between our world *Malchut* and the upper one of *Binah*, and since the total value of the sequence through the number **9** at digit #**873** is **72**, representative of the highest aspect of the Tetragrammaton, *Chochma*, whose numerical value is **73** as in

873, we now have all four aspects of the Tetragrammaton represented.

Interestingly enough, the full value of the **17** digits in the sequence **64462294895493038** is **86**, the numerical value of *Elohim*, the **3rd** word in the Torah and the first Name of G-d used in the Torah.

That said, it turns out that the Log of the number **9** or **Log(9) = 954**, as in the location, digit #**954**, of the **3rd 5778** in Pi and that not only is *Chochma* the **9th sefira** (dimension), but immediately preceding the sequence **5778185778** is the number **9**, at digit **947**, which as we've just seen is the numerical value of "seventeen" connected to Jacob, the **3rd** and unifying Patriarch and to *Tov*, meaning good, and to *Mashiach Ben David* through the sum of the digits through this location, **4240**.

Consequently, the full sequence is ...**95778185778**..., and its digits sum to **72**, which is equivalent to the highest aspect of the Tetragrammaton, *Chochma*, Wisdom, and as you may have noticed, the beginning of the sequence ...**95778185778**... also spells out graphically the ending digit in the sequence, digit # **957**—the beginning and the end.

What this may be telling us is that in the final period, with the help of the **42**-Letter Name we're rapidly moving up through the ranks of the Tetragrammaton from *Malchut* to *Zeir Anpin* to *Binah* to *Chochma*, and just as time has been speeding up for us over the last **210** years and even quicker in the last **70** year period, it'll move even quicker in the final **10**, and we know from the sages that it will move especially so in the final **8**, which they liken to the **8** day period that must be passed through before a *brit*, or covenant can occur.

Remember, that for each digit we add to a sequence the odds of it being that particular numeral are 10 to 1 against it, increasing by a factor of 10, the odds against finding an entire specific sequence in that particular form within these first 1000 digits. For example, the **10**-digit string **5778185778** doesn't occur again within the first 200 million digits within Pi that we searched, nor even the **9**-digit string **577818577**.

Chapter 39

What do the Patriarchs, the Schma have to do with Uranium?

The numerical progression between the values of the Patriarchs names develops in discreet quanta, or energy bundles. From Abraham (**248**) to Isaac (**208**) there's a difference of **40**, the meaning of which we've already covered. Then from Isaac (**208**) to Jacob (**182**) to Joseph (**156**) there are two identical steps of **26** each, obviously representative of the Tetragrammaton.

And if we consider the numerical distance covered from Abraham (**248**) to Jacob (**182**), in spiritual terms, the passage through the three representative *sefirot* (dimensions), in other words, through **3** orders of magnitude, we see that it's **66**, the same as we saw in the beginning of this book with the energy or iterations necessary to mathematically descend **3** orders of magnitude from **1000** to 1.

Perhaps this is the reason that the most famous Hebrew prayer, the Schma, has exactly **1000** letters and **248** words, **42** of which comprise the its first paragraph.

Uranium

And if we consider the numerical distance covered from Abraham (**248**) to Joseph (**156**), the linchpin to our world, *Malchut*, we see that it's (**248 - 156**) or **92**.

The number **92** seems to represent another boundary as well in that the total number of written elements in the Torah (letters, words, verses, paragraphs, chapters, and portions) sum up to **400,000-92²**.

Moreover, it appears to be nature's as well. The number of protons and thus the atomic number of the heaviest naturally occurring physical element in the known universe, Uranium, is **92**.

What makes this all the more astonishing is that the atomic weight of Uranium₂₃₈ is **238.095** and $1/42 = .0238095$

Could this be coincidence?

According to the preminent sage Rabbi Isaac Luria, the soul root of Israel can be traced from the **600,000** Jewish souls at Mount Sinai through the **70** elders who entered Egypt through the **12** sons of Jacob through the **3** Patriarchs and back to Adam, giving us **1/600,000/70/12/3/1**, or **238.095**. **Now that's powerful!**

Do you think Moses knew the atomic weight of Uranium? Then how come it works out that way? How come the Israelites had to journey through **42** places from Egypt to the Promised Land?

The Atomic Weight of Uranium = 238.095

600,000 Souls at Sinai
70 Family Members entered Egypt
12 Sons of Jacob
3 Patriarchs

$$600,000/70/12/3 = 238.095$$

Under G-d

$$1/(600,000/70/12/3) = .0042$$

42

Chapter 40

Did the Millennium of 2000 Play a Role?

A lot of people were expecting something to happen at the turn of the millennium in the year **2000** and nothing much did. The numerical string **2000**, just like that of **1000** is included within the first **1000** digits in Pi. And the sum total of the numerals from digit #**601**, where it's located, to the end of the **1000** digits is **1800**. Does this hint at **2018**?

Hard to say, but if this is a cryptic puzzle for us to solve, then we can couple the Bible's clear statement that the Flood occurred in the **601st** year, with the understanding that a cleansing might be underway, followed by a new beginning. This was hinted at in the double dating scenario of **5778**, which is **2018**, juxtaposed with **2019**.

In **2018** HC, G-d made a Covenant with Abraham, **3760** years later is the year **5778**. The whole millennium was based on the Hebrew year **3760** being the 1st year of the Gregorian calendar. The number **376** is the numerical value of the Hebrew word *Shalom*, peace. G-d willing, peace will reign throughout the **10** sefirot (dimensions) **3760** years after **2018** HC, when G-d made his Covenant with Abraham.

Why **18** or **1800** for that matter? It could be that **18** is **6 + 6 + 6**, or that the square root of **18** is **4.242640** and that the square root of **1800** is **42.42640**. It could be Phi's connection to **5778** through the number **18**.

Or it could be something else entirely, but considering the resultant number **4.242640**, the combining of all the key Messiah numbers that we've encountered in both Pi and the divine calendar schematic—**666** and **424** and **42**, and **42** again, then **26**, and then **40**—all encased in one number, **18**, is pretty powerful. So why not **2018**?

It's not for nothing that the number **18** was sandwiched between the last two **5778s**.

...**5778185778**...

Chapter 41

Keter, The Crown

628, Crowning 8

The first critical **12**-digit string in Pi, (**314159265358**) begins with **3** and ends with **8**. The first critical **1000**-digit string in Pi, (**314...420198**), begins with **3** and ends with **8**. This is not coincidental.

That the number **28** is fundamental and core to the structure of the Torah is not coincidental either and as we'll see in a moment neither is the number **628** appearing at digit **#73** in Pi either.

We've already covered that the number **620** is *Keter*, the crowning *sefira*, or dimension, and that **73** is the numerical value of *Chochma*, wisdom, the **9**th and second highest dimension. But we need to point out that the sequence ...**6286208**... occurs at digit **#73**. It's not definitive, but given the prominence of the number **73**, it's quite possible that **628** represents (**620 + 8**), and that the (**620 + 8**) in the sequence ...**6286208**... also expresses this concept. Both of the two graphic representations in the sequence ...**6286208** could translate to the crowning of **8**.

And the sequence **628** does reoccur **10** digits later, making for **3** representations of this number within **10** digits. And moreover, the sum total of the digits through that **3**rd one is **408**, as in the **408** letters that the Torah is shy of a perfect **600,000** letters (See *The Divine Calenedar*) when we break down the **22** letters of the Hebrew alphabet into their **50** composite letters. And the square root of **408** is **20.19**...

And the square root of 408 is 20.19...

The next time **628** appears is at digit **#333** and then once again at digit **#927**, which oddly enough is **73** digits before the end of the

first **1000**. Think about that! It appears at digit # **73** and also at **73** digits before the end of the 1000.

By all statistical rights **628** should appear only once in these **1000** digits, yet we have it **4** times, and with a perfect symmetry, the same odd symmetry we saw in conjunction with the **250th** digit and the **750th** digit and the year of the destruction of the First Temple in **3338**.

Could that just happen naturally, randomly?

By the way, in case you haven't noticed, **628** is twice Pi (**314 x 2**).

$$628 = 314 \times 2$$

Chapter 42

Perfect Numbers

Is it a coincidence that **6** and **28** are two of the rarest set of numbers known? They are called **perfect numbers** because the sum of the factors of each of them, excluding the number itself, is equal to that number itself. The next perfect number is **496**, the numerical value of *Malchut*, which is also **2 x 248**, Abraham. And then comes **8128**, which incidentally is located within the first **1000** digits of Pi as well, then comes 33550336, and then up from there. The **8th** perfect number already has **19** digits in it.

...35940**8128**48111...

Incidentally, since the **4th** perfect number **8128** is found **147** digits after the decimal point, it overlaps the number **408**, as in the **(600,000 – 408)** letters that the Torah is comprised on. The full sequence can be perceived to start of with **359**, the numerical value *Mashiach* in Aramaic, and be followed by **848**, a number associated with King Solomon and the building of the First Temple as explained in *The Divine Calendar*, and also **2 x 424**, *Mashiach Ben David*, the Messiah Son of David.

Chapter 43

The End Was in the Beginning

And finally 3 times Pi:

$$3 \times 3.1415926358 = 9.4247785$$

The simple equation graphically connects **9**, or the **9th sefira** (dimension) with **424**, *Mashiach Ben David*, the Messiah, Son of David, and a permuted **5778** that puts the **5** at the end. One could even say that the **5** was replaced by **424**, *Mashiach Ben David*.

Does The Tetragrammaton lead us to 5778?

Here's one more big piece of the puzzle.

We've spoken about the **4** aspects of the Tetragrammaton, the unpronounceable name of G-d that was so integral to the sages understanding of the universe and in ways we can't even imagine or comprehend. In its simplest state, each aspect reflects a simple expansion of the **4**-letter Tetragrammaton into a slightly different spelled out version.

The names of the **4** levels and the values of the **4** distinct spellings of the Tetragrammaton that they correspond to are *Chochma* (**72**), *Binah* (**63**), *Zeir Anpin* (**45**) and *Malchut* (**52**).

Interestingly enough, when we divide each of those valuations by **9**, it quasi spells out **5778**, in that the value of the level of *Chochma* is **72** and **72/9** is **8**; and that the value of the level of *Binah* is **63** and **63/9** is **7**; and that the value of the level of *Zeir Anpin* is **45** and **45/9** is **5**.

Moreover, at the level of *Malchut*, the lowest level, or the one pertaining to our world and lives, the value of the spelled out Name

is **52**, the same as that of the first **12** digits of Pi, and when we divide **52** by **9** we get precisely **57.78**.

Chochma	72	72/9 =	8
Binah	63	63/9 =	7
Zeir Anpin	45	45/9 =	5
Malchut	52	52/9 =	57.78
	232	232/9 =	77.78

$$8/72 = .11111\dots$$

$$7/63 = .11111\dots$$

$$5/45 = .11111\dots$$

$$57.78/52 = 1.111\dots$$

$$232/9 = 77.78$$

And when we take the result of the above equations that spelled out **5778**, and individually divide that result by their original Tetragrammaton level value (i.e. since **72/9 = 8**, we'll use **8/72**) we get .11111... for each of them.

$$52/9 = 57.78$$

$$57.78/52 = .11111$$

And if that's not telling enough, the **4th** root of the product of these **4** aspects, or ${}^4\sqrt{(72*63*45*52)} = 57.078\dots$

$${}^4\sqrt{(72*63*45*52)} = 57.078$$

And while the equations of the 3 upper levels above: **45/9 = 5** and **63/9 = 7** and **72/9 = 8** don't spell out **5778** exactly, when we multiply them, as in **5x7x8**, they equal **280**, as in **5778.28** etc.

But what came first the chicken or the egg? Did the spelling variations of the Tetragrammaton just happen to dovetail so well with Phi and Pi and then divide so perfectly into infinite Oneness or was the Hebrew Alphabet designed to make them do so?

Or was it all conceived in the same instant before time?

Are we Returning to the Infinite Oneness?

Was it all designed so that when we divided the singularly unique number **5778** by **52**, representing *malchut*, our world, the dimension of manifestation, of physicality, that we would get **111.11...**? And **111.11...** is nothing more than **One** divided by **9** or in fractional form, **1/9**, bringing us back to the level of *Chochma*, wisdom. And what is **111** the numerical value of in Hebrew? The letter *Aleph*, the first letter, **1**.

Chapter 44

It's ALL Connected

As we search for meaning in all this, there is another astonishing coincidence. We've seen that **57782 = 33385284** and that **3338** is the year the First Temple was destroyed, and that **52** represents both *Malchut*, our world, and Elijah, both connected with **5778** as per above. But at the very beginning of this book we saw a connection to the Torah and to the number **127**, which is also the possible combinations of the **7** words in the Torah's first verse or of the **7** lines in the **42**-Letter Name, and it is also the **10th** Mersenne prime.

Oddly enough, when we divide the numerical value of *Mashiach Ben David* (the Messiah, Son of David) by **127** we get **424/127** or **3.3385826... once again.**

$$57782 = 33385284$$

$$424/127 \text{ or } 3.3385826$$

Chapter 45

Is Anything Surprising Anymore? Is Anything Random?

We should note also that the sum of the digits in Pi through the first location of the numerical string **358**, representing the Messiah, is **36**, and the sum of the digits in **33385284** is likewise **36**. And while the sages say that the world is supported by the **36 tzaddikim**, or righteous souls, that always inhabit it, isn't it surprising that the **natural log of 36**, or **LN 36 = 3.58**, the value for the Messiah, *Mashiach*?

Or considering all the connections to **666** and the Messiah that we've revealed in this giant and complex puzzle, is it surprising that **666** is the sum of the positive powers ($3k_n$ for $n= 1$) for all the integers through **36**, or moreover that the sum of the numerals in Pi through digit # **36** is **173**, the small gematria value of the **42**-Letter Name of G-d, the one that anchors Creation.

Or that **36** is the sum of the positive integers though **8**? Or that the natural log of **8**, **LN 8 = 2.07**, which is the numerical value of Light (*Oh*) in gematria, as in the Light-force of the Creator?

Is anything surprising anymore?

Chapter 46

It ALL Comes Together

And if we want to tie it all together, we should note, as we have in *The Divine Calendar* that there exists a formula for world population growth, $N = (1.789477965^{57785} \cdot 10^{11}) / (2026.87752 - t)^{.99}$ that has described the world population accurately for the last 2000 years.

And when we plug in the year $t = 2018.05778$ (or more precisely **2018.0577770005**), we get the world population in **2018** CE at exactly **20736000000** people.

And while we've just seen that **207** and **36** are connected and what they mean for us, the square root of **20736000000** is **144,000**, which is the number of people that the Book of Revelations says will be saved.

If this is also coincidence then it must also be coincidence that **2018** CE is the year **1440** AH in the Islamic Calendar. Or that **2018 - 1440 = 578?**

All **3** Major religious calendars, all descended from Abraham, who received G-d's Covenant in **2018** HC, converge and reconvene in the year **5778** HC, which is **2018** CE in the Western calendar, which is **1440** AH in the Islamic one.

It's up to each of us to decide what our personal level of disbelief is. The future will come with us or without us. The same sages who brought us the technology that helps us comprehend the revelations in this book, all had the same message about the final redemption and the end of days. That message is that we must strive for a place of unconditional love for one another. How else can the religions converge? The only truly common ground that they can possibly find in the next ten years will be one of love.

Rather than sitting around waiting for signs, wondering what will happen in **5778**, we have a personal obligation and a global one to make it happen through love. In the language of the sages, "Love" and "One" have the same numerical value because they are spiritually the same thing. If we want oneness, we must find it in our hearts to love our neighbors and global neighbors as we do our kids, ourselves even—unconditionally.

The Messiah is supposed to be able to come to Man at any time, not just in **5778**, but to do that a critical mass of love has to be reached. Obviously, our civilization has fallen short of the mark for the past 5768 years. For the next **10**, it's probably a good idea that we bet on a different horse, and give love a chance.

I'm sure you have many questions, but there is one lingering one. If G-d really manipulated the calendars, the dates, and the mathematical constants to all spell out a single date with which to reaffirm his Covenant with Abraham and thus with us, his descendants, then why was the number **42019** one of only five 5-digit numbers repeated twice in Pi and not **42018** to perfectly match **5778** HC with **2018** CE? Everything else was a perfect match, so why this variation?

The answer may very well be that he knew that history's most evil personage would be born on **4/20/1889** and he wanted to make sure no one could make any mistakes or erroneous associations about what is to come in the year **2018**, the antithesis of evil.

We've touched upon a few of the findings available in only the first 1000 digits in Pi. There are many more known and even more to be discovered and revealed. With the Internet, the advanced search engines that are available online, spreadsheet software, and the will to explore, there's nothing that this generation, the one the ancient sages predicted would be the generation of Knowledge, can't find. Be part of the infinite oneness that is to come and post your own findings. The faster we process information, the quicker we take ourselves out of the equation, and the more the light can flow through us. If we let ourselves go, we'll approach the speed of light.

One last note: The speed of Light is 299792458 m/s, which is **207541** m/s less than a perfect 300000000, or graphically **207** representing "Light" and **541** representing "Israel", the geographical longitude of the maximum visible Light radiating off the planet Earth. And the **8th** root of **207541** is the height of the Great Pyramid at Giza (481 feet), the geographical center of the Earth's landmass, but that's a whole other book and would involve us explaining the exact length of the famed ancient cubit and how it too ties in to this grand plan.

Chapter 47

Ray of Hope: Our DNA

DNA is a long polymer of building blocks called nucleotides made of a deoxyribose sugar, a phosphate groups and one of **4** nitrogen bases. It's structured such that attached to each sugar is one of **4** types of molecules called nitrogen bases: Adenine (A), thymine (T), guanine (G), and cytosine (C). The sugars and phosphates of the adjacent nucleotides link together and form the familiar twisting double helix polymers while zipped up in the central core are the 4 nitrogen bases whose order is *the code of life*. Like the 0's and 1's that a computer reads to determine it's programming orders, the proteins read the sequences of these **4** encoded bases to determine how to create and shape, run and manage life—*all* life.

The pairs can form forward or in reverse order but Adenine (A) always pairs with thymine (T), and guanine (G) always pairs with cytosine (C). Therefore the sequential chain consists if stacked links of A-T or T-A and G-C or C-G.

There are about 3 billion of these base pairs links in human DNA, and while they don't vary much from person to person, the slight differences in the ordering of their sequences are what make us individuals and make us different from aardvarks and earthworms.

That there are **4** nitrogen bases, just like the **4** letters in the Tetragrammaton, is interesting when we translate the **4** letters from English to Hebrew so that we may apply the ancient and as we've seen profound system of gematria to reveal the underlying energy of the sequences it gets a whole lot more interesting.

A = *Aleph* of numerical value (1); C = *Caf* of numerical value (20); G= *Gimmel* of numerical value (3); and T= *Tav* of numerical value (400).

Now we know that man didn't make Phi, or Pi, or the fine structure constant and we saw all that encoded there, and we know man didn't create life or DNA either, but some skeptics may be saying to themselves that man did name the four base pairs so while the encoding is designed by G-d or the forces of nature, the code may have been influenced by man. And to those skeptics, we'd like to remind you that the four nitrogen bases were discovered by 4 different individuals at four different times none of which yet knew about DNA

or its structure which wasn't revealed until 1953. Thus the 4 names are pure accidental, or coincidental, and we've seen what happens to coincidences when put under the simple microscope of enlightenment.

Aleph (1), *Caf* (20), *Gimmel* (3), and *Tav* (400); together the ancient gematria values of the **4** letters selected to represent our DNA add up to **424**, the numerical value of *Mashiach Ben David*, the Messiah, Son of David.

Stop. Think about that. The **4** building blocks that encode all life as we know it in the universe, together numerically reference the Messiah, in the same way that Pi did and the divine calendar did, yet even more blatantly.

Does this mean we are all genetically disposed to the Messiah? I don't know. It means something because as we know, there are no coincidences anymore.

But there's more.

Aleph (1), *Caf* (2), *Gimmel* (3), and *Tav* (4); together the small gematria values of the **4** letters selected to represent our DNA, are sequential **1,2,3,4** and they add up to **10**, as in the **10** dimensions (*sefirot*).

The Hebrew equivalent to the **4** English letters selected to represent our DNA are *Aleph* and *Tav*, the first and last letters of the Hebrew Alphabet, as in the beginning and the end; *Gimmel*, whose spelled-out numerical value is **73**, the same as *Chochma*, Wisdom, the second highest *sefira*; and *Caf*, whose spelled-out numerical value is **100** and who always represents *Keter*, the highest *sefira*, the dimension closest to G-d. That's a pretty powerful encoding package for the **4** letters accidentally chosen to represent our genetic structure.

Of natural note, we mentioned earlier that Cytosine and Guanine always pair together (C-G), so when *Caf* (C) and *Gimmel* (G) are combined, the sum of their spelled-out values is **173**, equivalent to the small gematria value of the **42**-letter Name.

The Sequences

It's important to visualize the encoding the way it appears within our DNA, a sample provided below:

C-G
A-T
G-C
T-A
C-G
A-T
G-C
C-G
G-C
A-T
T-A
T-A
A-T

Or represented numerically:

23
14
32
41
23
32
23
14
32
14
41
41
14

Se we see that the numerical strings that are formed are vertical along the central axis of the DNA strings and form all sorts of combinations of **1,2,3**, and **4** using the simplest form of gematria.

The **4** bases are arranged in pairs so utilizing small gematria to highlight their underlying energy references we have such simple vertical pairs as A-G with the numerical value of **13**, the same as *Ahava*, אהבה love, and *Echad*, אחד, One; and G-A, *31*, *El*, אל God; T-C, **42**, as in the **42**-letter Name; and C-A, **21**, the numerical value of *Ehyeh*, a higher Name of G-d; and both vertically and horizontally G-C, **32**, as in the **32** Paths of Wisdom; and C-C, **22**, as in the **22** letters of the Hebrew alphabet, to name a few.

Obviously with **4** numbers repeated and recombined any which way we can come up with a lot of telling sequences, but without repeating any sequence, and utilizing each nitrogen base only once some of the combined base pairs further spell out such reference energies as G-A-T-C, **3142**, the small gematria numerical value of *Ehyeh Asher Ehyeh*, “I am that I am”; and of course, G-A-T numerically spell out **314**, representing *Shadai*, Pi and Metatron, the archangel guardian of knowledge; and finally T-C-G-A, **4231**, the **42** Letter Name coupled with the **231** Gates of Wisdom.

Other examples of telling sequences that may or may not mean anything are, T-T-A, **441**, the numerical value of *Emet*, truth, and representative of the **42** Letter Name; and also C-C-A-G-A-T C-C-A A-G, **221314 221 13**, the 11 letter small gematria numerical value that starts off the Torah: “In the Beginning G-d Created.”

And speaking of Wisdom, the ordinal value of these **4** bases, which determine our entire genetic encoding added together equal **37**, the same as the ordinal value of the Hebrew word/dimension of *Chochma*, Wisdom.

What does this all mean?

Who knows? If indeed this is not all pure coincidence then it might mean that there is a G-d like energy innate in our genetic essence and that some sequencing is not to be played around with. It might mean that there is a reason that only now within the last **70** years before **5778**, we discovered DNA, and only now within the last **10** are we able to completely map out the human genome. Maybe there’s a reason this ancient and modern technology is coming together now.

The **4** letters selected to represent our DNA can be combined in **24** different ways and if we add up the small gematria sequence values of all those ways, it comes to **66660**.

1234
1243
1324
1342
1423
1432
2134
2143
2314
2341

2413
2431
3142
3124
3421
3412
3214
3241
4123
4132
4231
4213
4321
4312
66660

Is this anything more than a mathematical oddity? Who can say? All we know is DNA works; it defines life. The physical constants of the universe work; they define space, structure and growth. Base 10 mathematics does well at helping us perceive what goes on in the universe in a physical sense and gematria does well at helping us understand perceive what goes on beneath the surface, in a spiritual sense. So when we put them all together and they all point to the same energy source and lay out the same energy channels, all of which seem to funnel through the same point in the future, perhaps we don't need to comprehend it all. Perhaps all we need to do is go with the flow.

Links:

The Divine Calendar book: <http://www.divinecalendar.com/?s=2>