

The Possibility of Impossibility, (or 'On The Origin of Human Intelligence') - 'The likelihood that certain events, that should never have happened, already have.' -

(Including an account of numbers that, instinct or sentiment suggests cannot happen but hard evidence shows already have.)

It is suggested, that within this document is solid evidence of external knowledge, ability and intelligence that may lead to the breakthrough that 'Breakthrough' is seeking in its quest for Extra Terrestrial Intelligence.

It is commonly known that, on Earth, each day the sun rises, crosses the sky, and then sets in the opposite direction to its rising. A more informed person will know that it is the Earth that is actually rotating, on its N – S axis, once per day to give this daily effect. Also that the Earth is also orbiting the sun, at a distance, to complete one circuit (orbit) each year. Furthermore that the N – S axis upon which Earth appears to rotate daily, is tilted at an angle to the yearly circuit about the sun rather than precisely perpendicular. And that the angle of tilt of the Polar Axis from perpendicular is about $23\frac{1}{2}^*$. To an Earth – bound observer it actually appears that the sun is encircling the Earth on a yearly cycle following a regular annual track against the backdrop of the Cosmos upon the Celestial Sphere. The apparent annual path of the sun is called the ECLIPTIC.

Many centuries ago Earth – bound observers – early astronomers – ordered the Cosmos on the Celestial Sphere into an organised system of horizontal and vertical grid lines projected outwards from the identical system of latitude and longitude that had been ordered and developed upon the Earth surface. The basic frame of the Celestial system is 'anchored' upon identical principle features of the grid system as the Earth system uses. That is the two poles (N and S) at the two ends of the Earth Axis of rotation, and the Equator which completely encircles Earth, and correspondingly is projected outwards and completely encircles the Cosmos on the Celestial Sphere. The equator is precisely at mid-point between N and S poles.

Once the system had become established and become the means for astronomy to identify, measure and record the apparent motion and progress of Celestial bodies generally against the backdrop of the Celestial Sphere, then the detail of the motions and characteristics of the members of our Solar System – including our sun – could be identified and recorded.

This process has now been on-going for many centuries since the very first astronomical records began to be catalogued in Mesopotamia in, possibly, the 3rd or 2nd millennium B.C. With the advance in the progress of science and knowledge generally, accompanying the advance of civilization since those distant times, astronomical observation, deduction, recording and understanding has clearly advanced immeasurably. Now the human race has a vast resource of detailed knowledge on so many aspects of astronomy from the very basic to very detailed.

One part of this vast resource that was early established was the apparent motion and course of the sun about Earth on its annual cycle. Consequently this path of the sun across the Cosmos has been known for several millennia. Possibly the ancient nations of Mesopotamia established this path and were the origin of star constellations, and particularly the Zodiac constellations that straddle the sun's path.

Nowadays we refer to the path of the sun, through its annual cycle, as the ECLIPTIC.

It was also established, from ancient times, that the Ecliptic did not run parallel to the Celestial grid lines of latitude – correctly lines of DECLINATION when referring to Celestial activity. This is because the Ecliptic is tilted at an angle to the Celestial Equator. (The outward projection of Earth Equator and basis for the horizontal component of the Celestial grid system.) This is because the Earth Polar Axis is tilted away from the direction of the Poles of the Solar Ecliptic. As is generally well known, The amount of tilt of Earth Polar Axis and, correspondingly, Earth Equator, is about $23\frac{1}{2}^*$. There is a divergence of about $23\frac{1}{2}^*$ between Earth Equator / Celestial Equator and orbit track (Ecliptic) of the

sun. Astronomers refer to this approximate $23\frac{1}{2}^*$ tilt as 'OBLIQUITY OF THE ECLIPTIC'.

Modern astronomy has measured the 'tilt' or 'Obliquity of the Ecliptic' very precisely. The current value for Obliquity of the Ecliptic, as accepted by the International Astronomical Union, is; -

(Epoch 2000) $23^* 26' 21.448''$

Therefore the generalised value of c. $23\frac{1}{2}^*$.

Obliquity is subject to a slow but steady change of value with passage of time.

Value for epoch 1900 was $23^* 27' 8.26''$. This yields a difference (decrease in value), with the passage of the last 100 years, of $00^* 00' 46.812''$. Obliquity of the Ecliptic is slowly but very steadily decreasing in value with the passage of time. (It could be used as a measure of time that has passed or will be passing for several millennia either side of the present point in time for planet Earth. That is how steadily it is changing. As this account develops this is a very important astronomical fact. Remember this!) It is important to stress that the decrease just demonstrated is not part of a steady annualized rate.

The rate of change alters with passage of time. There is a long-period cycle for the change in Obliquity value of c. 41,000 years. During this cyclical period of 41,000 years the value for Obliquity varies between 21.1^* or 21.5^* (uncertain) to 24.5^* following a sine curve.

The point at issue for this account is the progress of the change in Obliquity for the past 5000 years up to the present day, and for the next few centuries going forward.

It is possible to calculate historical and future values for Obliquity using a general formula approved by the I.A.U.

The general formula is: -

$$\epsilon = 84,381.448 - 46.84024T - (59 \times 10^{-5})T^2 + (1,813 \times 10^{-6})T^3 \text{ arc secs.}$$

T = time in Julian centuries (36,525 days) since epoch 2000

(Julian day 2,451,545.0). Result acceptable for - 5000 to + 5000 years.

The primary interest, within this account, concerns Obliquity values from the European Late Neolithic, c. mid 24th century B.C., forward to the present time and near future, c. mid 24th century A.D. Following is a summary table of specific results for Obliquity for certain specific dates. Results are obtained using the general formula detailed above. Detailed calculations are shown in Appendix 1. following this account.

SUMMARY. Obliquity for Specified Dates.

B.C. **2340.5** (T = -43.4041 Julian centuries). Obliquity = 23° 57' 45.15"

A.D. **2340.5** (T = +3.40493 Julian centuries) 23° 23' 42.025"

Mean of these two values **23° 40' 43.586"**

Alternatively:-

B.C. **2340.5** (T = -43.405 Tropical centuries) Obliquity = 23° 57' 45.18"

A.D. **2340.5** (T = +3.405 Tropical centuries) 23° 23' 42.022"

Mean **23° 40' 43.6008"**

These results for the two dates are shown for Julian centuries and ordinary Tropical centuries but the difference is very slight and is insignificant.

Therefore:- B.C. **2340.5**

A.D. **2340.5** Mean of two **23° 40' 44"**

What is here demonstrated is the common numerical result of 2340.5. It is the pure numbers that are of importance. This is a completely unique, once-and-only coincidence of number digits. Units and decimal points, etc. can be inferred or supplied by the context. For these three number groups they are part of the context in which they exist and the other details, even if not shown, would be implicit from the astronomical exercise that has produced them.

I.e. 23405

23405

Mean 23404 (5)

The two numerical expressions to the left describe two unique points in time - the life of the Earth and its position / situation within the Solar System of the Sun and the Cosmos at large.

The single group to the right results from the mean of the description of a moment in the unique physical relationship between Earth and Sun at precisely the two occasions (dates) described by the two groups to the left.

These three groups of numbers, yielding this identical group of digits (23405) HAD NOT, and WILL NEVER exist again together in this way, for Earth / Sun at any other point in time, or at any time ahead that can be predicted.

Because of this relationship of time and position for Earth and Sun that is uniquely contained within this single digit group of 23405, then this group should be considered as very special. Its unique existence could even be employed as a marker in time and space for Earth, spanning nearly 5000 years. Indeed, in the context of the history of the growth of human civilization on Earth, it quite neatly encompasses that period from Late Stone Age (Neolithic) and the beginning of the Age of Metal (Bronze Age), through to our modern Age of Technology and wherever that is going to land us all within the next 300 years of development. Literally from Stone Age to Space Age.

Returning to the original opening statement of this account in which I suggested that 'certain events that should never happen already have', it would seem that the unique coincidence of time / position that I have here described with 23405 is obviously perfectly possible, and has and will happen as described, What was not predictable but has now happened is that ATTENTION HAS NOW BEEN DRAWN to the details of these astronomical events in my account, here. The KNOWLEDGE of these astronomical events is now described by THIS NUMBER GROUP. Again it could be said that this is perfectly possible – the EVENT OF DESCRIBING has now happened.

When this all becomes less obviously possible is when the description of the digital format of **2 3 4 0 5** is found to have been in existence and in plain sight, on our planet Earth, FOR VERY MANY YEARS. – but has not previously been recognised as such.

The world famous pre-historic monument of Stonehenge, Wiltshire, England, was built at the end of the English Neolithic / beginning of the Early Bronze Age, c. 2500 – 2200 B.C. Its form and design, as finished and left as a monument for the future, is extensively described in very many publications. Here, only a brief description and the relevant detail that blends into this account is given.

The complete monument was built of massive, heavy lumps of rock generally erected as individual stones but in an ordered arrangement of four concentric, circular features. Many of the stones were 'dressed' into rectangular cubic shape by the crude method of hammering away at virgin, irregular, naturally occurring slabs with manageable smaller hammer stones. Weights of individual component stones within the monument range from a few tonnes to the largest being in excess of forty tonnes. All of the stones were hauled to the site from considerable distance. There are two types of stone – hard 'Sarsen sandstone for the larger uprights, and their famous horizontal 'lintel' stones that cap the top of two of the formations. Also the smaller granitic type rocks that came from further afield in Wales and were only used, within their formations, as upright pillars.

The individual four concentric formations were two complete concentric circles as the outer parts of the monument, and two concentric horseshoe shaped constructions within the area enclosed by the circles – the central area. One circle and one horseshoe are of the larger, heavier Sarsen slabs and, generally, with horizontal top lintel stones. One circle and one horseshoe are of the smaller granitic ('Bluestone') Welsh stones – only as vertically standing stones.

In summary, from the centre of the monument outwards:-

A). Central Bluestone HORSESHOE:- C. 18 upright pillars of Welsh granitic type stone ('Bluestone'). Weight typically 5 – 8 tonnes. Arranged as three sides of 'Horseshoe inside of the giant Trilithon Horseshoe and with open end towards North-East and summer solstice sunrise.

B). Sarsen Trilithon HORSESHOE:- The most famous feature of Stonehenge. Again a 'Horseshoe' shaped formation and, similarly, with the open end towards Northeast as for the Bluestone Horseshoe above. Ten gigantic, shaped, upright pillars of very hard sandstone arranged in pairs. Each pair with a sandstone top lintel to make a 3-stone 'Trilithon'. The heaviest stones in excess of forty tonnes.

C). Bluestone CIRCLE:- Encircled the two central Horseshoe formations. Of Welsh granitic upright pillars. Total number estimated at c. 60 -61 upright pillars. Now much damaged and many stones missing but extensively excavated and its form re-estimated by archaeology in recent years. Typical weight of each upright c. 4-6 tonnes. Least accurate and well-finished feature implies that it was probably completed last and in a hurry. But not necessarily the least significant feature.

D). Outer Sarsen CIRCLE:- Encloses all of the above formations, as the perimeter circle of the main stone monument. A complete circle of 30 heavy sarsen sandstone upright pillars and 30 horizontal sarsen lintel stones on top to make a complete horizontal ring. As with the sarsen Trilithon Horseshoe many of these stones shaped and finished sufficiently to give a clear intention of the required shape and effect of the circle. Particularly the lintel stones that were closely shaped to the circle and jointed together. Typical upright weight c. 15 – 18 tonnes.

In total the monument required approximately 160 stones. About half were Sarsen sandstone and half granitic Welsh Bluestone. The complete monument is now much battered by time and human agency over circa four and a half thousand years. Many stones have vanished but extensive surveying, archaeological investigation and considered debate and discussion for many years in modern times has allowed a fairly accurate picture of the original design and construction sequence to be obtained. The complete monument

and its surrounding landscape are now National and International 'Treasure', owned and cared for by the State for the benefit and access of all.

If one has studied the monument deeply and thoroughly for many years it is possible to sense some of the idea and planning that went into much of the creation of Stonehenge. The problems that were faced in the sourcing, hauling and erection of the different stages. Development and change to idea. Organisation of labour. There were many facets of such a monumental task. We should remember that the development of the final monument was the result of perhaps nearly a thousand years of imagination, planning, building and re-building and many generations of dedication. One can almost sense the enormous sense of achievement that the builders must have experienced as each stone slithered into its final position, from the early beginnings of the smaller Bluestones to the later enormous bulk of the great Sarsens. There has always been a 'thread' of idea and determination throughout the creation. There must have been something very important at the back of it.

This account, here written, is initially concerned with the central Horseshoe formations, and first and foremost the one constructed of the very large Sarsen sandstone slabs and commonly referred to as the Trilithon Horseshoe. (Further on I discuss and describe the likely purpose of the other, circle, formations.) These slabs were formed into the Horseshoe shape by erecting five pairs (ten uprights) of vertical pillars to form three sides of a broadly elliptical shape, open towards the north-east in the direction of sunrise at summer solstice (mid-summer). Atop each pair of vertical uprights was placed a single, horizontal lintel slab (total five – one for each pair). The resulting Horseshoe was therefore formed of these five sets of three stones – each two uprights and one horizontal – to create the famous Trilithons of Stonehenge.

The form of the Trilithons and their integration into the one, unified Horseshoe formation in this way is virtually unique in prehistoric construction around the world. This is a great part of the extraordinary form, majesty, and MYSTERY of Stonehenge that draws, holds and stirs an inner response from many of the vast numbers of people who continue to visit Stonehenge every year from around the world.

Explanation, justification, motivation, for the form, arrangement, and sheer size and weight of the stones of Stonehenge has defied understanding even up to the present day. Archaeology is unable to provide the science to explain the numbers implicit in the design. Other scientific disciplines seem largely unwilling to become involved, possibly because Stonehenge is an 'old' story and modern science is more focussed upon what 'can and will be' for the future.

Lastly there is a general and very quick reaction of condemnation / dismissal of any idea for the purpose of Stonehenge which does not immediately fit with the pre-conceived ideas or opinions of establishment science. (Much of which, of course, is the product of older generations of scientists and intellectuals, many of whom seem simply unable to accept new and possibly untested lines of thought upon 'old' subject matter.) This very strange and inexplicable universal reaction by supposedly intelligent, fact-based scientific people consequently stifles, mutes, silences all attempts to explain the inexplicable in anything except the acceptable especially where Stonehenge is involved! Very sadly even purely fact-based new thought is quickly stifled if not voiced by 'acceptable' representatives of main-stream science. Sadly there is a reversion to irrational 'instinctive and feeling-based' criticism rather than an ability to consider new fact on a precise and calculated basis. Once again Stonehenge seems to be particularly provocative in causing 'bad' reaction from intelligent peers.

This is the point within this account at which the story now becomes an example of my original starting proposition that 'certain events that should never happen, already have'. The point at which 'the possibility of impossibility' is confirmed.

A). The Inner, Great Trilithon HORSESHOE.

The number group **2 3 4 0 5** can be explored further, beyond the way already shown, in which it describes a unique time / position relationship for Earth / Sun. As **2 3 4 0 5** it is in the common base-ten, or decimal, system currently

used by the majority of the world population to manipulate number. It can also be expressed in digital format.

2 3 4 0 5 = 101101101101101

Alternatively 101 101 101 101 101

Or 1-11-11-11-11-1

Or $\bar{1}1 \bar{1}1 \bar{1}1 \bar{1}1 \bar{1}1$ --exactly as the form of the Trilithon Horseshoe at Stonehenge!

(Clearly to render 101 in large sandstone slabs requires that the single, horizontal, flat slab has to extend to, and sit upon, the top of its pair of uprights.)

The proposition, here, is that the Trilithons of Stonehenge were constructed as a representation of the digital format 101101101101101, equivalent of the decimal number expression 2 3 4 0 5. The reason for needing to represent this number was to give the information already described previously in this account:- that is, the two dates via the calculated values for solar obliquity as UNIQUE points in time and celestial geometry for the sun / Earth relationship within the life of our Solar System.

B.C. 2340.5

A.D. 2340.5 23* 40' 5" (44') - mean of Solar Obliquity for stated period.

(Bearing in mind the practical difficulty of rendering all of this information into one single digital code that can be physically depicted with gigantic stone pillars.) (It could be suggested that the physical sun / Earth relationship is part of the greater Cosmic relationship of any star and its planet within the Cosmos and is one tiny part of the story of the Universe. But the scheme of year dates (numbers) that is now seen in this account could be super-imposed by a very ancient and clever (i.e. highly developed) intelligence that was all-seeing and over-seeing this scenario many millennia before our present epoch. The physical arrangement of star / planet, on a cosmic scale is immutable, but the scheme of arranging the year numbers to fit was feasible to that high intelligence.)

The stated dates encompass the development of human civilization from the prehistoric beginning of the age of metal to our modern space age. The mean of the values for Obliquity is fact and a concept that could only be obtained and understood when scientific knowledge and ability had developed to a sufficiently advanced level.

The context that is provided to convey the number expressions is via a prehistoric 'temple' type of monumental construction that, it is generally agreed, was always intended to focus upon / celebrate / primarily relate to the sun in its annual cycle. For modern, questioning science and astronomy seeking an explanation for Stonehenge, this inevitably causes information about sun position and dating to come into consideration and therefore change in sun position due to change in Obliquity. It follows that it is only a matter of time before the Obliquity data and the digital expression contained within the Trilithon Horseshoe is detected.

The dating of Stonehenge in its final form is very correct. It is agreed that the main parts of the monument – particularly the Sarsen Trilithons and outer Sarsen Circle – were constructed c. B.C. 2500 – 2400, with the granitic Welsh Bluestone features being included later in this period. Therefore the build would have been completed in time for a 'start' date of B.C. **2340.5**.

The building of the central Trilithon Horseshoe was unique and a massive engineering achievement. Seemingly the information contained within it must also have been of very great significance. The other stone features of the monument also contain information digitally encoded, of great astronomical significance.

(All of this is explored and explained in great detail within my two partner web-sites:-

www.secsignals.co.uk and www.stonehengesolutions.info)

Of course, if my interpretation of the form of the Trilithon Horseshoe as a digitally encoded number value containing information that could only become comprehensible to a more technologically and scientifically knowledgeable civilization at a distant point in the future is correct, then there are, here, profound implications for the history / development / ultimate progress of our human civilization, questions of which our modern science seems, currently, to be hardly even aware. (But may soon, at least, become interested!);-

- 1). The ability to construct Stonehenge by primitive civilization with few resources, tools, knowledge is still not really comprehended by modern science.
- 2). The ability of homo sapiens to incorporate astronomical information by advanced number / mathematical technique cannot have existed at this early time.
- 3). The ability of homo sapiens to acquire advanced information could not have existed. Nor the ability to understand, manipulate, store such information.
- 4). If the understanding of the Trilithon arrangement as a digital code and the interpretation of its meaning and function here discussed is correct, then this implies that it was constructed as a means to pass information forward into the future for distant descendants to understand and exploit. Otherwise why would a future date of A.D. 2340.5 come into this story?
- 5). Who did conceive and design this Trilithon arrangement with this hidden meaning? Who drove the construction forward? Is this really a case of 'certain events that should never have happened already have'? Is this the 'possibility of impossibility'?

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B). Central Bluestone HORSESHOE.

I have, here and on my two partner websites, described and discussed extensively a vast resource of fact-based information that can be extracted from the design plan of Stonehenge. One aspect that ties in with this decoding of the Trilithon Horseshoe concerns the decoding of the Welsh Bluestone granitic Horseshoe that was constructed within the Sarsen Trilithon Horseshoe.

(-Close to the centre of Stonehenge and therefore, presumably, also a very important feature of the monument in its own right.)

The inner Bluestone Horseshoe was constructed solely of single uprights in a Horseshoe formation whose shape and position closely replicates that of the Trilithon Horseshoe. (It almost 'shadows' the Trilithons. Same format-same purpose?)

There has been an on-going debate in recent times as to whether this Horseshoe contained eighteen uprights or nineteen when complete. I believe that the argument favours an eighteen stone formation for reasons which I describe at some length on my web-sites, and in my complete manuscript – 'Stonehenge 2020 – The Way Forward – also to be found on my web-site:-

www.secsignals.co.uk

A nineteenth stone in this formation would have blocked the line of sight and a very important Main Axis through Stonehenge. This line of sight was one of the most important features of the whole design and function of Stonehenge beyond that described in this account. (-Yes there is a much greater purpose for Stonehenge than just to transmit advanced and unique astronomical data to future researchers.)

An eighteen upright Bluestone Horseshoe would have the digital format:-

|||||

Converted to decimal format this gives:- **2 6 2 1 4 3**

By applying an exactly parallel mathematical process and formula concerning Solar obliquity to this numerical expression as was applied to the previous Trilithon numerical expression, a result is obtained that immediately and obviously fits in to the context so far obtained with the Trilithon result.

Obliquity of sun (epoch 2000):- **23* 26' 21.44"** (Officially approved value of I.A.U.)

The correlation between the two number expressions is startling. The correlation of an identical context of interpretation for two separate and independent but complementary Horseshoes likewise. And these are the two most prominent central features of the monument and therefore any derived information must be, correspondingly, of the greatest importance.

--They are both Horseshoes and each has a beginning and an end. This suggests time that begins and ends – I.e. a time period ending at a particular date. Therefore I interpret this as marking the dates that I have derived from the solar obliquity values.

-- Both Horseshoes have yielded dates relevant to our current modern epoch.

-- Both Horseshoes have employed comparable information by a comparable process and with comparable units of measurement for these obliquity values.

It seems to me that we have a choice. Either we dismiss the whole story as nothing more than an enormous coincidence. Or we can start to look for a reason for these numbers.

We Can Now Consider The Other Two Stone Formations – The Two CIRCLES.

Before considering these two as individual formations it is worthwhile describing a striking numerical feature that is obtained by combining the two decimal number expressions derived from the two circles when their physical forms are interpreted as Binary (digital) expressions.

The two circles were:-

C). Bluestone CIRCLE (61 uprights) 1 1 1 1 1 (to 61)

Decimal Value -- 2305843009213693951

D). Sarsen CIRCLE (30 uprights, 30 lintels) 1 0 1 0 1 0 1 0 1 0(to 60)

Decimal Value 768614336404564650

By simple arithmetic:-

$$7686143364044564650 \times 3 = 2305843009213693950 \text{ (1)}$$

Alternatively:-- Sarsen Circle $\times 3 =$ Bluestone Circle

Absolutely precise apart from the last digit!

(Any student of Stonehenge will find that it is full of mathematical / astronomical / architectural surprises. At every turn one can find unexpected and often very advanced numerical / astronomical fact, almost as if the design had been a project for a group of advanced students! Sometimes the features confirm early theories, sometimes they just add to the impression that one purpose of the design had been to confirm to a future and technologically advanced civilization that especially advanced intelligence had already been here. This single numerical equation, above, of two very large numbers only adds more evidence to this picture. At the same time the whole design and scheme of Stonehenge has been created with an extraordinary sense of economy that allows so much data, number, and astronomical fact to be incorporated into just an arrangement of four stone circles and their location..

It seems completely unlikely that a simple, ancient civilization without technology could have produced this monument. It can now be shown that the two binary expressions of the two circles, when considered individually from each other also produce significant astronomical data that relates directly to the overall picture that is being built, within this account, of the numerical and astronomical fact within the design of Stonehenge. The data that can be obtained from the two circles adds to, and builds further, the context, picture, method, units and pathway already inferred from the Horseshoe binary expressions of A) and B).)

Some Background

Although the two Horseshoe formations in the preceding part of this account can be shown to yield parallel dating by parallel means of exploiting the fact of the change in Solar obliquity, it seems logical to assume that there should be some objective to all of this. There is a much greater parallel picture to be

obtained from Stonehenge concerning the source of the intelligence implied within the binary expressions. I have described this in great detail on my web-sites and in my text:- 'Stonehenge – The Way Forward'

There is, within the design of Stonehenge, one single focus to an external point beyond our solar system into the distant Cosmos. It is one single specific point that can be identified and is within constellation Leo, close to the star 'alpha-Leo' (Regulus). The monument design gives just this one focal point alone. There are no other obvious candidates.

I have demonstrated how this focal point can be identified both architecturally, by the design and layout of Stonehenge, and also by use of the number values of the main Binary expression of the Great Trilithon Horseshoe. ($i=I$ $i=I$ $i-I$ $i-I$ $i-I$ = 23405.) There is also actual graphic representation of the Cosmic (stellar) arrangement – as a group – of Sun, Regulus, and the related star group that is described by all of these other methods. This actual representation can be seen upon the face of the focal stone of Stonehenge.)

Therefore Stonehenge has given me three different routes to identify the star group – and the actual distant and remote stars – upon which the whole monument was focussed as originally conceived and built. The three routes being:-

- (a). by plan, layout, and geographical location.
- (b). By application of the primary Trilithon Binary expression.
- ©. By actual physical representation upon the face of the focal stone of the monument.

In conclusion, the focal distant Cosmic point of Stonehenge is within a small group of very faint and distant stars that lie between Regulus and star, 31 Leo in constellation Leo. And these stars are the focus of the information that can be found within the Binary expressions if the two stone circles of Stonehenge.

C). The Bluestone CIRCLE.

This CIRCLE was formed of the smaller Welsh granitic upright pillars, typically with weight of c.5 – 6 tonnes each. The circle is now very damaged but its original form has been extensively identified by twentieth century archaeology. Estimated stone total 60 – 61 upright pillars. (No lintels.) Here I base my result upon a stone total of 61.

Declination of some of the 'Little Stars' within the Regulus Group. (The 'Little Stars' of the Regulus Group are one of the main themes of the whole of my interpretation of the astronomy within Stonehenge. See my two web-sites.)

Epoch B.C. 2340.

<u>'Old' Hubble Number</u>	<u>New USNO Number</u>	<u>Declination</u>
H 833.1062	USNO J1007355+101541	23* 05.6'
H 833.1185	USNO J1007357+101614	23* 06.17'
H 833.732	-	23* 0.53'
H 833.986	-	23* 05.43'
H 833.828	USNO J1008007+100921	23*03.39'

Bluestone Circle Binary expression (61 uprights) | | | | | (to 61)

Which yields a decimal value (as shown earlier) 2 3 0 5 8

As can be seen the declination values for the distant and faint 'Little Stars' within my Regulus group, previously described above, all correspond very closely with the Bluestone Circle numerical value.

Generally the same comments apply here as for stone formations (1) and (2) on previous pages. The values are declinations. The format is degrees – decimal arc minutes. Values are as at B.C. 2340. All of these 'Little Stars' are within the Regulus Group that rose with the sun at mid-summer solstice, B.C 2340. The whole process is illustrated across the face of the Heelstone at Stonehenge.

Graphically declination 23* 05 corresponds very closely to one of the main features upon the Heelstone face, notably the long, slanting slit that rises from the centre of the stone towards the north-east edge, at the same angle of inclination as the rising of celestial objects at this time and geographical location.

There are a number of other features and facts that fill out this very specific picture, generally described and discussed extensively in my manuscript 'Stonehenge 2020 – The Way Forward' to be found at www.secsignals.co.uk

Also discussed further at www.stoehegesolutions.info

(D). The Outer Sarsen CIRCLE.

The fourth and final main stone formation of Stonehenge, that encircled the other three and formed the outer perimeter of stone Stonehenge, apart from a small number of individual outliers.

Thirty upright sarsen pillars, some more shaped or worked than others. Generally not heavily worked and what was done was more to give conformity of shape and spacing as circle constituents than for 'grand effect'. Again economy of work to give maximum effect. The objective was not to flatter a ruler or the gods but rather to produce a clear message of the number fact that was to be within the design.

Atop the upright, thirty horizontal lintels, also of sarsen stone. These lintels secured to the uprights by 'mortise and tenon' type joints. Each upright with two prominent circular humps and each lintel with a corresponding hole in each end underside to fit on to the humps. The ends of each lintel with groove at one end and corresponding tongue at the other to joint all of the lintels into one continuous and complete circle. The lintels individually shaped to the curve of the circle. The top surface of the finished circle at c. five metres above ground level, famously near level for its complete circuit.

Total of 60 stones. Weight of the uprights typically 15 – 18 tonnes. This circle alone must have been one of the great constructions of European prehistory. Not over-worked, shaped, polished, ornamented as with tremendous amounts of Mediterranean, Egyptian, Asian monumental construction, but rather built for a purpose where efficiency and economy of effort were important to get the job done and build in the data for 'eternity'. This construction was not

built for the glory of the inflated ego of a rich ruling dynasty, but rather to get into a solid and enduring form important knowledge that needed to survive far into the future. These builders were not slaves of a wealthy king but rather individuals with very strong motivation and a desire to get a very big task finished, but efficiently. Furthermore they had a 'finish' date (B.C. 2340).

I have shown, previously, that the two Horseshoes describe a particular time period that is very relevant to our present time epoch, and that the Bluestone Circle then confirms what was the exact declination of the 'Little Stars' of the Regulus Group that I believe were the original focal point of the design of Stonehenge. Clearly the star position data was relevant to the epoch of the building of Stonehenge and when the data and the physical representation on the face of the Heelstone was incorporated into the monument.

But far into the future (our current epoch) that position data will become outdated as stars and the Cosmos change their aspect to observers on Earth due to Precession. It would be very intelligent to provide information concerning the future position of the Regulus Group – the 'Little Stars' – close to the future date that would be supplied within the context of the Horseshoe solar obliquity results (our current epoch).

Data for Outer Sarsen CIRCLE.

The Sarsen Circle construction and Binary Expression was:-

I—I—I—I—I--..... Read as 10101010..... To 60 stones

Resulting decimal value 7 6 8 6 1 4 3 3 6 4 0 4 5 6 4 6 5 0

I give here our current epoch positions (declinations) for two of the stars in my 'Regulus Group' as examples of updated data. Declination data for all of the 'Little Stars' within the group will be very close.

Two examples of stars within the Regulus Group.

(a). <u>31 Leo</u>	B.C. 2 3 4 0	$\delta 22^* 52.294'$
	A.D. 1 9 8 7	<u>$\delta 10^* 03.450'$</u>
	Difference	$12^* 48.844'$

the difference value of $12^* 48.844' = 768.8'$

Binary expression = **768 6**

(b). H833.1062 (Now re-designated USNO J1007355+101541)

	B.C. 2 3 4 0	$\delta 23^* 05.610'$
	A.D. 1 9 9 5	<u>$\delta 10^* 17.076'$</u>
	Difference	$12^* 48.534'$

Difference value of $12^* 48.534' = 768.5'$ (arc minutes)

Binary expression = **768 6**

Therefore the Sarsen Circle has given the change of declination values for the 'Little Stars' from original Stonehenge build epoch , c. 2340 B.C. through to our current epoch c. 2000 A.D. Data as arc minutes is in a form directly comparable to the data so far obtained for the other three stone formations. (All of the data so far obtained is in this thoroughly 'modern' human, 'Earth scientific' form, that can only possibly have been invented and developed by intelligent homo sapiens within the recent past! Human science will say that it is impossible for it to have been in use, on this planet more than 4000 years ago. Or is it impossible? Could it be that modern Earth bound intelligence and scientific knowledge has actually 'plugged-in' to universal knowledge that has already existed elsewhere in the Cosmos for a very long time?)

Summary

1). Four stone formations have all yielded declination values.

The choice of declination values for various celestial events described within Stonehenge is the correct one. Although much of my work in interpretation of Stonehenge has involved the use of local coordinates of altitude and azimuth

when trying to make sense of the Heelstone and many other features, these local values suffer from several handicaps.

Firstly they are local to that particular geographical point and cannot just be translated to other sites. Secondly altitude values are subject to such factors as horizon refraction, height of observer above ground-level, disagreement as to which sight-line of alignment markers to use, to name just a few variables. Third local coordinates are only correct for their date of use but there are few ways to permanently demonstrate a particular date or time. (At Stonehenge summer solstice sunrise is indicated very effectively.) These are just some of the more obvious problems for local coordinates.

Declination is a universal, global system, useable from a very wide range of location. It is a standard global reference system used and understood world-wide. It is a 'pure', fact-based reference system, not subject to local physical variation, although, even here, date and time are needed. Stonehenge manages to achieve date and time by combining the Binary expression integrated into the design of the Trilithon Horseshoe and which implies Obliquity of the Ecliptic at two widely spaced dates, with the obvious overall focus of the monument on summer solstice sunrise: - an ingenious combination

All four stone formations summarized here are now yielding declination values that, ostensibly, relate to a single celestial theme of date and focus, extensively backed up by the design and layout of the stone monument, its geographical location, and the sheer size and survivability of its conception, selected material and construction. It would be very easy to 'test' Stonehenge. In this new and very 'clever' scientific epoch the equipment and knowledge are now available. It only requires the enthusiasm and willingness of those who manage these technological celestial observing devices to focus towards the correct direction at the correct time. What chance?

2). Values are all in format, degrees – arc minutes – decimal minutes or arc seconds. Clearly implications in a monument that is c. four-and-a-half thousand years old.

3). All four yield declination values that fit together to give a single picture of celestial coordinates in our modern epoch, but based upon coordinates for just one ancient epoch of the time of the creation of Stonehenge at B.C. 2340.

The Bluestone HORSESHOE yields our current epoch date. Besides being a very significant time in the history of homo sapiens when the world population becomes more humane and begins to turn away from warfare, aggression, insecurity and greed. this present era is also the epoch when we are beginning to break free of our Earth bound existence and beginning to move outwards into the Cosmos. (It is also marks the time when we have acquired the technology and knowledge to decipher and understand all of the information that is to be found within Stonehenge.) Perhaps it is the time when nations begin to stop acting so much at cross purposes and begin to live alongside one another more harmoniously.

The Sarsen Trilithon HORSESHOE yields a dateable scheme for a summary of solar obliquity. The two derived significant dates, obtained, nicely frame the beginning, growth and development of human technological civilization on Earth, from the beginning of the age of metal working to the beginning of the digital scientific era and the space age.

The Bluestone CIRCLE yields a precise declination coordinate for the 'Little Stars' of my Regulus Group for summer solstice sunrise, B.C. 2340, in near conjunction with the rising sun. With date, declination value and sun position (summer solstice) it is possible to exactly pinpoint this star group. It is the one single arrangement that I have detected within Stonehenge that gives a specific stellar position, I know of no other. (The position and arrangement of sun, Regulus, and 'Little Star' group is also represented graphically or 'pictorially' across the face of the Heelstone.)

The Sarsen CIRCLE gives the declination change for the 'Little Stars' of the Regulus Group, from their initial B.C. 2340 date of the Trilithon date range to our modern date as supplied by the Bluestone HORSESHOE. (Actually c. 1987 / 1995 v. 2000 – but we are dealing with Binary Expressions rendered in gigantic megalithic rock format. There must be a limit to how much precision can be given.) Why give data for correcting the Little Star group to our present epoch? Seems pretty obvious that it is wanted that our astronomers go looking for them!

Having come so far and extracted so much from Stonehenge the monument, the story is not quite yet ended. It will end when contact is made, out into the Cosmos. Then Stonehenge will have completed its objective. The end of our beginning, or the beginning of our becoming Cosmic grown-ups?

APPENDIX No. 2 Joining The Binary Dots. Summarizing The Binary expressions from the four stone formations.

1). Bluestone HORSESHOE (18 uprights) Binary 2 6 2 1 4 3

Solar Obliquity A.D. 2000 23* 2 6' 2 1.4 4"

2). Sarsen Trilithon HORSESHOE. (10 uprights, 5 horizontals—groups of 3)

Binary 2 3 4 0 5

Solar Obliquity: B.C. 2 3 4 0 δ 23* 57' 45"

A.D. 2 3 4 0 δ 23* 23' 42"

Mean 23* 40' 44"

3). Bluestone CIRCLE (61 uprights)

Binary 2 3 0 5 8 4 3 0 0 9 2 1 3 6 9 3 9 5 1

Declination of some of the 'Little Stars' within the Regulus Group. (The 'Little Stars' of the Regulus Group are one of the main themes of the whole of my interpretation of the astronomy within Stonehenge. See my two web-sites.)

Epoch B.C. 2340.

<u>'Old' Hubble Number</u>	<u>New USNO Number</u>	<u>Declination</u>
H 833.1062	USNO J1007355+101541	23* 05.6'
H 833.1185	USNO J1007357+101614	23* 06.17'
H 833.732	-	23* 0.53'
H 833.986	-	23* 05.43'
H 833.828	USNO J1008007+100921	23*03.39'

Bluestone Circle Binary (61 uprights)

2 3 0 5 8

4). Sarsen CIRCLE. (30 uprights, 30 horizontals)

Binary **7 6 8 6** 1 4 3 3 6 4 0 4 5 6 4 6 5 0

Two examples of stars within the Regulus Group.

(a). <u>31 Leo</u>	B.C. 2 3 4 0	$\delta 22^* 52.294'$
	A.D. 1 9 8 7	<u>$\delta 10^* 03.450'$</u>
	Difference	$12^* 48.844'$

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	A.D. 1 9 9 5	<u>$\delta 10^* 17.076'$</u>
	Difference	$12^* 48.534'$

Difference value of $12^* 48.534' = 768.5'$

Binary expression = **768 6**

5). It cannot be over-emphasised – All achieved within the context of four megalithic stone formations, designed and built c. 4500 years ago

From the beginning of the age of metal to the beginning of our journey beyond this planet and into the Cosmos.

Is this evidence of an incredible leap in human intelligence in this short period, or is it evidence of intelligence infused into homo sapiens from an external source? What is the logical answer to this question? What is the origin of human intelligence?