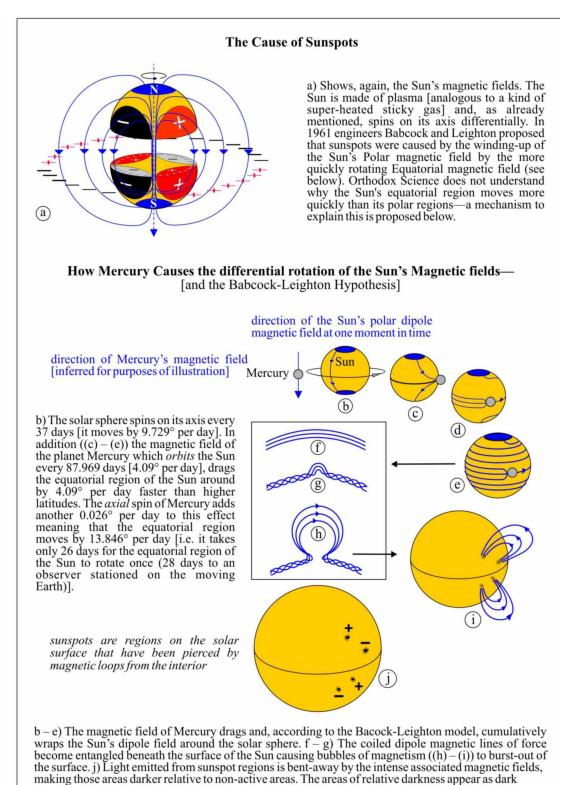
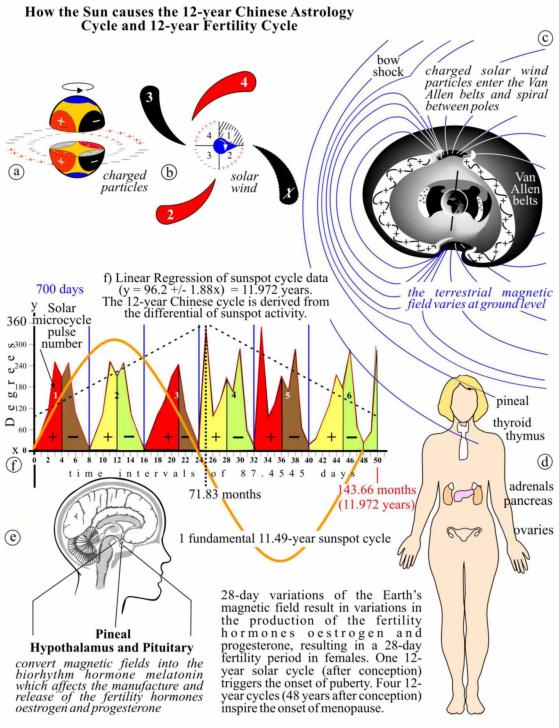
Guest on the <u>10/18/23 show</u>, Maurice Cotterell shares material to accompany his presentation:



spots on the surface, pairs of which appear firstly at higher latitudes and then migrate towards the solar equator as the cycle progresses. After 11,4929 years the Polar field reverses direction and a new cycle begins with reversed polarity sunspot pairs.

figure 81.

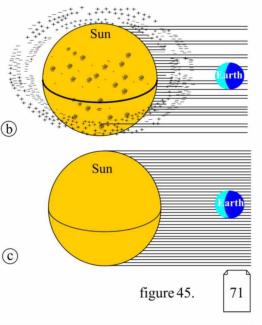


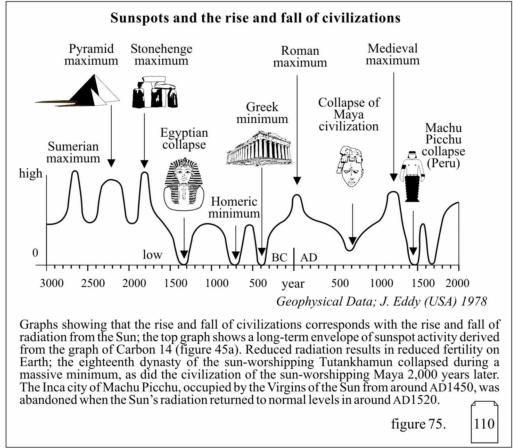
a – e) The solar hormone mechanism: f) A 'Linear Regression' (broken-line)—a straight-line graph showing the [best-fit average] angular *difference* between the Sun's Polar (P) and Equatorial (E) magnetic fields and the Earth (W). The saw-tooth ramp peaks after 71.83 months; meaning that the 'differential cycle' lasts for 11.972 years. a – d) The cycle is based on the fundamental 28-day solar cycle. The ancient Chinese used the 29.5-day 'Moon cycle' to track the solar cycle, which meant that (by the end of each year) an 'error' of 18.6 days would accumulate. This error was used to re-calibrate the cycle each year, by 18.6 days, from the 'spring new Moon'—the second new Moon following the winter solstice on 21/22 December; which explains why each Chinese New Year begins on a different date each year.

Sunspots and mini ice-ages

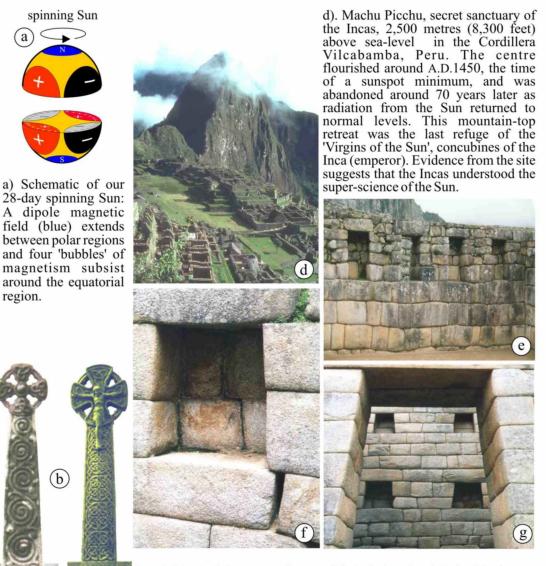
a) An inverse relationship exists between the number of sunspots and temperatures on Earth, and also between the number of sunspots and variations in the amount of Carbon 14 in the growth rings of trees. The exact mechanism for this is not known, but it is believed that (b) *increased* particle emissions from the Sun during periods of high sunspot activity prevent some solar rays from reaching the Earth, resulting in less evaporation of water from the oceans, fewer rain clouds and an increase in temperatures.

c) During periods of low sunspot activity fewer particles are emitted from the solar surface allowing more solar rays to strike the Earth causing a disproportionate *increase* in rainclouds that lower temperatures. Hence, cooler temperatures (mini ice-ages) are associated with low sunspot activity. At the same time, more Carbon 12 in the atmosphere is converted into C14 due to the increase in solar ray bombardment, hence the increases in the levels of C14 during sunspot minimums.



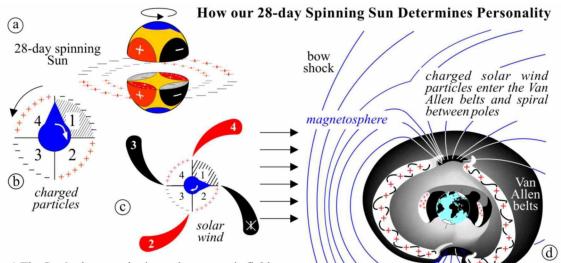


The Sun, Magnetism and Fertitlity



b) Celtic crosses from R a m e C h u r c h, Cornwall, England c. A.D. 1259 showing t h e m a g n e t i c structure of the Sun together with the 5 magnetic reversals every 18,169 years.

(e –g) Most of the external ostensible 'windows' at Machu Picchu are blocked with stone, whereas 'windows' between rooms within buildings are open (see-through), suggesting that the Incas understood on the one hand what windows were for, and yet, on the other hand, that they went to extraordinary lengths to prevent light from entering buildings. The perfectly fitting stones and absence of windows together prevented ingress of external light, a known suppressant of the timing hormone melatonin; melatonin fluctuations stimulate the pituitary gland and in turn the production of fertility hormones oestrogen and progesterone in females. As a result fertility levels of the Virgins of the Sun were greatly improved during a period of sunspot minimum. The Incas also connected building blocks together with copper straps to short-circuit electrical currents, and associated magnetic fields, to Earth.



c) The Sun's slower-spinning polar magnetic field (blue) interferes with the equatorial magnetic fields (red, and black) 'neutralising' a different field sector every month. Field sector 1 is 'burnedout' during month numbered 1, sector 2 during month 2, 3 in month 3, and 4 in month 4. So, during month 1 the radiation showering the Earth is net positive (234, two red and 1 black). During month 2 the code is net negative (1 34, two black and 1 red), month 3 net positive (12 4) and month 4, net negative (123). The codes repeat every 3 months, as the Sun continues to spin.

the Earth's magnetic field varies at ground level

d) and e) Magnetic variations change DNA, at conception, resulting in 4 types of genetic mutations, 3 times within every year and, hence, 4 types of personality—referred to as the 'Astrological Elements' of Fire, Earth, Air and Water. The 14-day positive/negative cycle regulates the body's biological rhythms. The 28-day solar cycle regulates fertility in females.

