

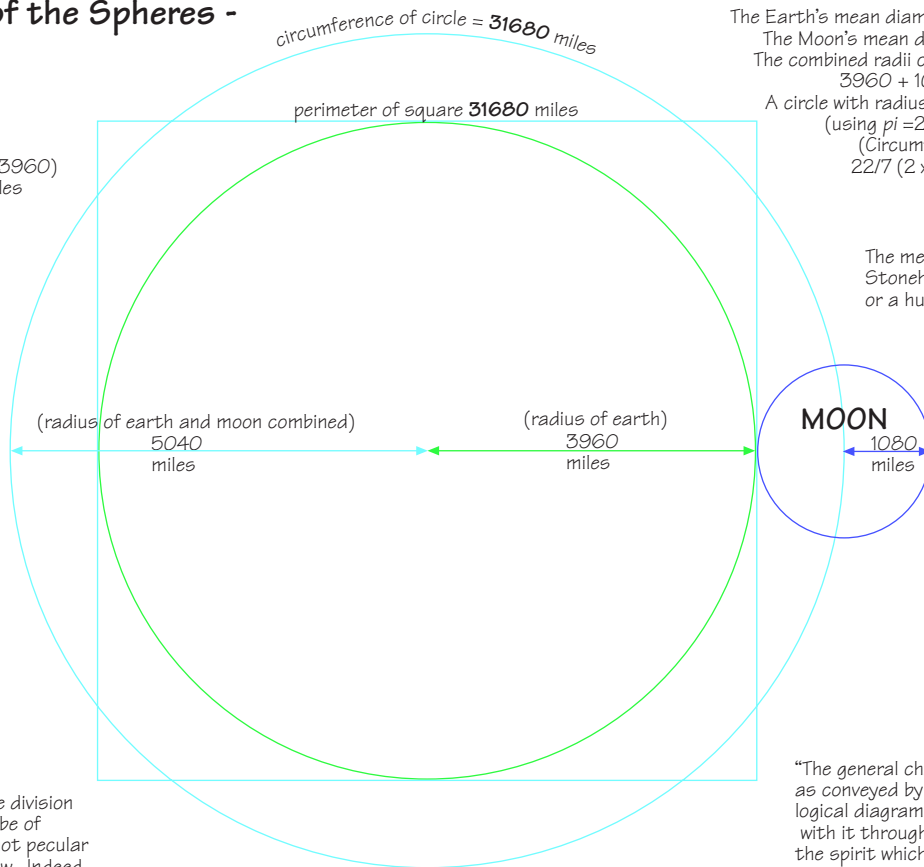
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Beginnings of Music of the Spheres - The Number 3168

A Square with a side of 7920 miles (2 x 3960)
has a perimeter (4 x s) of **31680** miles
4 x 7920 = **31680**

1 x 2 x 3 x 4 x 5 x 6 x 7 = 5040
7 x 8 x 9 x 10 = 5040



The Earth's mean diameter is 7920 miles. (2 x 3960).
The Moon's mean diameter is 2160 (2 x 1080).
The combined radii of the two bodies are equal to
3960 + 1080 = 5040 miles.
A circle with radius 5040 has a circumference
(using pi = 22/7) of **31680** miles.
(Circumference = pi x 2r)
22/7 (2 x 5040) = **31680**

The mean circumference of the Stonehenge sarsen circle is 316.8 ft. or a hundredth part of 6 miles.

"From the point of view of numbers, the division of the modal octave must necessarily be of twenty-two intervals. This division is not peculiar to music, but represents a universal law. Indeed, the relation of those twenty-two intervals with the seven notes of the scale is the only one that can give to music a complete and logical substructure." p. 75 "Music and the Power of Sound" by Alain Danielou

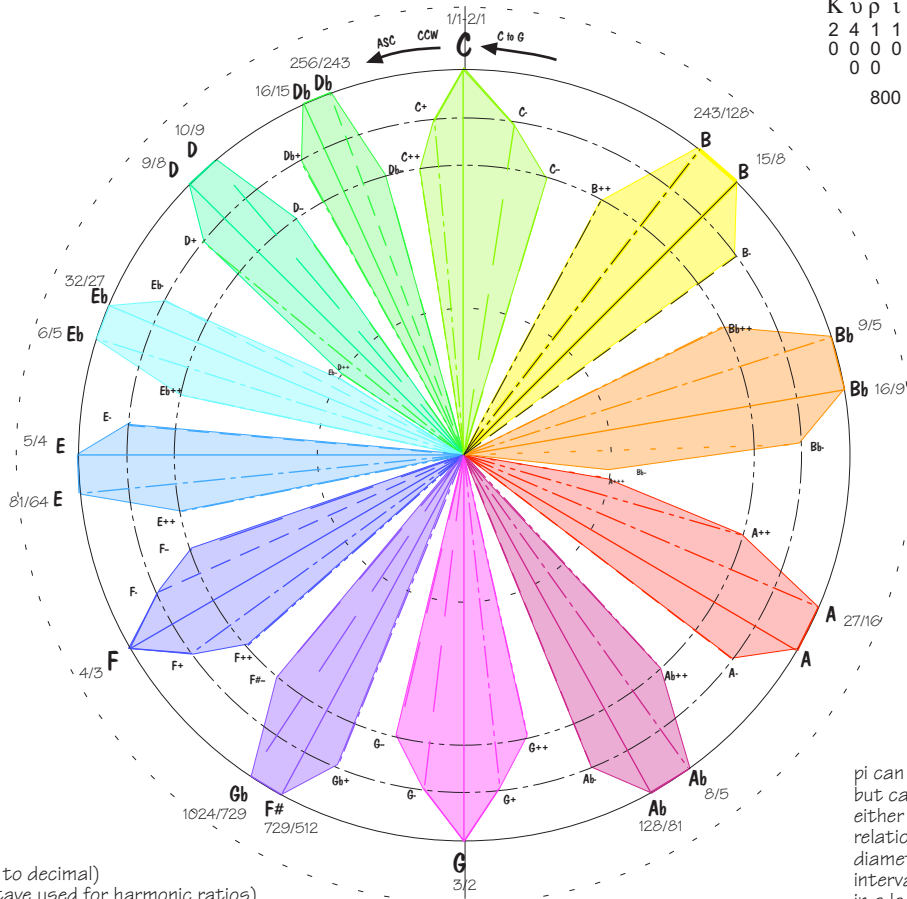
"The general character of the number 3168, as conveyed by its position in ancient cosmological diagrams and the phrases associated with it through gematria, is that it represents the spirit which passes through and encircles the universe, Plato's World-soul. The Christian term for this spirit, developed from the number 3168, was **Lord Jesus Christ**." p. 173 "The Dimensions of Paradise" by John Michell

C	1/1 = 00°00'00"	00°
Db	256/243 = 19°04'48"	19°
Db	16/15 = 24°00'00"	24°
D	10/9 = 40°00'00"	40°
D	9/8 = 45°00'00"	45°
Eb	32/27 = 66°36'00"	67°
Eb	6/5 = 72°00'00"	72°
E	5/4 = 90°00'00"	90°
E	81/64 = 95°24'00"	95°
F	4/3 = 120°00'00"	120°
Gb	729/512 = 145°26'24"	145°
F#	1024/729 = 152°16'48"	152°
G	3/2 = 180°00'00"	180°
Ab	128/81 = 208°48'00"	209°
Ab	8/5 = 216°00'00"	216°
A	5/3 = 240°00'00"	240°
A	27/16 = 247°19'12"	247°
Bb	16/9 = 280°00'00"	280°
Bb	9/5 = 288°00'00"	288°
B	15/8 = 315°00'00"	315°
B	243/128 = 323°16'48"	323°
	3165°189'180" = *3169°	
	*3168°09'	

*Numbers rounded up above 30° and down below 30°

Harmonic ratios converted to degrees°minutes'seconds"

Example 15/8 = 1.875 (convert ratio to decimal)
1.875 is between 1/1 and 2/1, (the octave used for harmonic ratios)
1.875 - 1 = .875 (to get between 0 and 1)
.875 x 360 = 315 (to find the degree point of 15/8 on a circle)
315 = 315°00'00" (inverting 315 into degrees°minutes'seconds")



Lord	Jesus	Christ
Κυριος	Ιησους	Χριστος
2 4 1 1 7 2	1 8 2 7 4 2	6 1 1 2 3 7 2
0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0
0 0	0 0 0 0	0 0 0 0 0

800 + 888 + 1480 = 3168

Also from Gematria

The God Apollo = 1415 (+1=1416)
Ο Θεος Απολλων = 1415
2³ x 3 x 59* = 1416
2³ x 3 + 35 = 59*

+
Pythagoras = 864
Πυθαγορας = 864
2³ x 3 x 36 = 864

+
Jesus = 888
Ιησους = 888
2³ x 3 x 37 = 888

1416 + 864 + 888 = 3168

pi can be expressed as 3.1416..., but can also be expressed as 22/7, either way it expresses the approximate relation between the circle and its diameter. To put the the twenty-two intervals of the octave on a circle follows in a logical and consistent manner

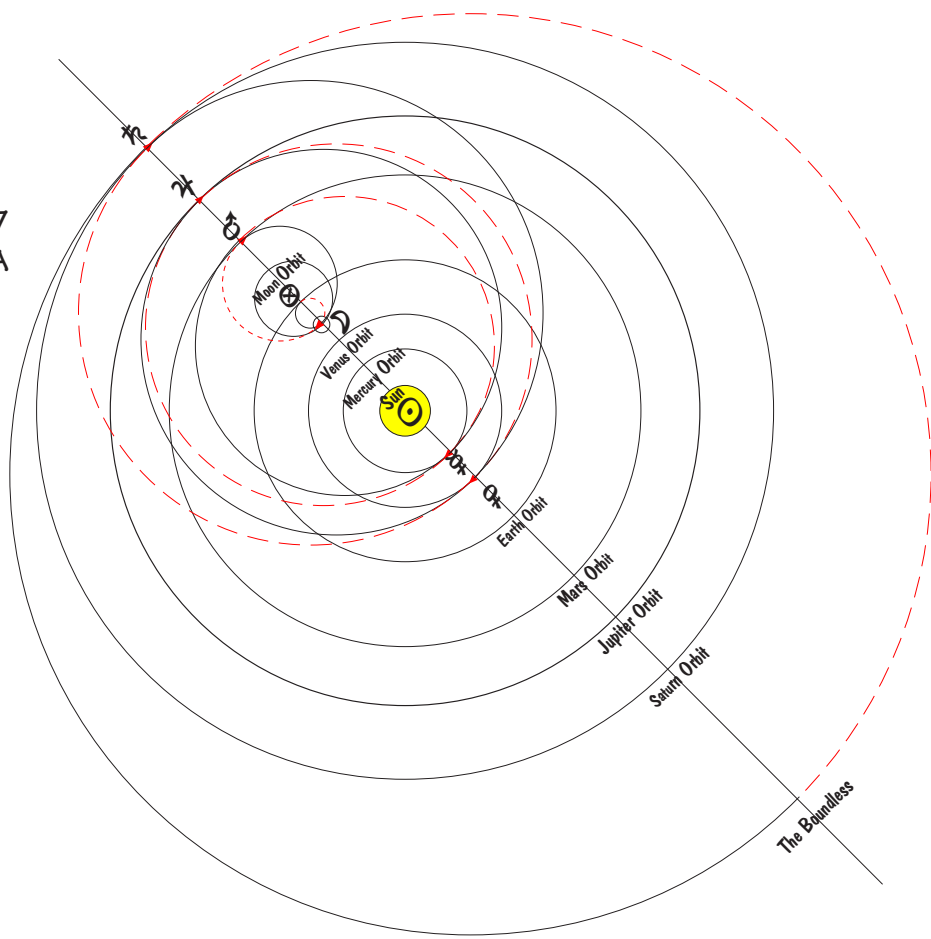
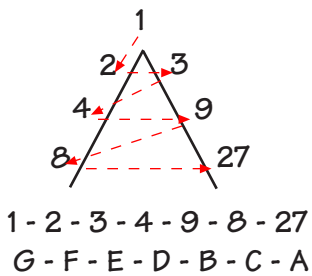
Circulation of the Cosmos, the Pythagorean Progression, and the Vedic Scale

This diagram is adapted from the book *Mathematics of the Cosmic Mind* by L. Gordon Plummer; “The Greater and Lesser Perfect Systems,” a website on *Greek Esoteric Music Theory* by John Opsopaus; and Alain Danielou’s book, *Music and the Power of Sound, the Influence of Tuning and Interval on Consciousness*.

On the diagram, if you start at the lower right and read thru the orbits from lower right to upper left (using earth’s orbit for the Sun); the orbits from Saturn inward are: Saturn orbit(♄), Jupiter orbit(♃), Mars orbit(♂), Sun-earth orbit(☉), Mercury orbit(☿), Venus orbit(♀), Moon orbit(☾). Using the same planetary order but inserting the note assignment of the planets from Greek Esoteric Music Theory, the notes are Saturn (G), Jupiter (F), Mars (E), Sun (D), Mercury (B), Venus (C), Moon (A). This sequence of notes, **G, F, E, D, B, C, A** is a musical manifestation of a deep mathematical and cosmological truth.

To quote from Danielou’s chapter on the Music of the Greeks: “The Theory of the Scale. The Pythagorean theory can be very briefly expressed as follows; ‘the demiurge had divided the composition [of the soul of the world] into seven parts, which relate to one another like the terms of two geometrical progressions, one of ratio 2, (1, 2, 4, 8) and the second ratio 3, (1, 3, 9, 27). With the help of these two progressions, the demiurge has formed a single progression [of] 1, 2, 3, 4, 9, 8, 27.’

“This Pythagorean progression, with its characteristic inversion of the fifth and sixth numbers, is to be found in every traditional system and is, for example, the basis of the scale on which the Samaveda is sung, a scale that in much more ancient times showed the same inversion. This ancient vedic scale in modern notation would be: Pa(G) ma(F) Ga(E) Re(D) Ni(B) Sa(C) Dha(A). The numbers representing these notes would correspond to those of the Pythagorean progression” (Alain Danielou, *Music and the Power of Sound*, p. 97).



Saturn	G	Pa
Jupiter	F	ma
Mars	E	Ga
Sun	D	Re
Mercury	B	Ni
Venus	C	Sa
Moon	A	Dha

Follow the red line from the earth (♁) outward for the days of the week and the musical cycle of 5ths (Earth and Sun are both note D)

Earth(♁) to Moon(☾) / Sunday to Monday / Re (D) to Dha (A)
 Moon(☾) to Mars(♂) / Monday to Tuesday / Dha (A) to Ga (E)
 Mars(♂) to Mercury(☿) / Tuesday to Wednesday / Ga (E) to Ni (B)
 Mercury(☿) to Jupiter(♃) / Wednesday to Thursday / Ni (B) to ma (F)
 Jupiter(♃) to Venus(♀) / Thursday to Friday / ma (F) to Sa (C)
 Venus(♀) to Saturn(♄) / Friday to Saturday / Sa (C) to Pa (G)
 Saturn(♄) to Sunday(☉) / Pa (G) to Re (D)