

Raoul Rochetti shows the moon-goddess of the Athenians -- Pallas, or Cybele, Minerva, or again Diana -- holding her child-son on the lap, invoked in her festivals as [Monogenes Theou], "the one Mother of God," sitting on a lion, and surrounded by twelve personages; in whom the Occultist recognises the twelve great gods, and the pious Christian Orientalist the apostles, or rather the Grecian pagan prophecy thereof. They are both right, for the immaculate goddess of the Latin Church is a faithful copy of the older pagan goddesses; the number twelve of the apostles is that of the twelve tribes, and the latter are a personification of the twelve great gods, and of the twelve signs of the Zodiac. The Secret Doctrine, v. 1, p.400



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"Forget not that eleven is the number of the Initiate and that today it is the eleventh house which is so dominant; forget not that Aquarius, the eleventh sign, is the sign of universal relationships, interplay and consciousness. The self-consciousness aspect of the human being is being steadily expanded under this major interplay and through the forces transmitted by Uranus, via the eleventh house, and will ultimately give place to group consciousness and group relationships and group work. Hence the trend towards amalgamation today, towards federation, spheres of action and the many groups which distinguish increasingly human intercourse." Esoteric Astrology, p.542

8















"Astronomy knows of the fixed cycle of eleven years when the number of solar spots increases, which is due to the contraction of the Solar HEART... [This] is similar to the regular and healthy pulsation of the [human] heart, as the life fluid passes through its hollow muscles..." The Secret Doctrine, v. 1, p.541



























Jack Farley Waterhouse requests the pleasure of your company for his First Annual Birthday Celebration to be held at 6:30 pm. on Tuesday, September 15th at his home.

26
























## The Key to the Universe

or a Spiritual Interpretation of Numbers and Symbols

BY HARRIETTE AUGUSTA CURTISS AND F. HOMER CURTISS, B.S., M.D.

## FOUNDERS OF The Order of Christian Mystics

**AUTHORS OF "THE CURTISS BOOKS"** 

The Key of Destiny, The Voice of Isis, The Message of Aquaria The Truth about Evolution and the Bible, Coming World Changes, Realms of the Living Dead, Letters from the Teacher, Vols. i and ii, Gems of Mysticism, The Temple of Silence, The Divine Mother, The Soundless Sound, Etc.

> With many diagrams and tables. Also ten full page plates.

Seventh and revised edition

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39

"There is, first of all, [Christ's] statement to His parents in the Temple, "Wist ye not that I must be about my Father's business?" We should note here that He was twelve years old at the time and, therefore, the work with which He had been occupied (as a soul) was finished; twelve is the number of completed work, as witness the twelve labours of Hercules, another Son of God. The symbolism of His twelve years is now replaced by that of the twelve apostles, the symbol of service and sacrifice." <u>The Reappearance of the Christ</u>, p. 27

## THE TWELVE GREAT CREATIVE HIERARCHIES

ZODIACAL SIGN		NAME	STATUS	
1- 2-	Aries Taurus	Nameless Nameless	at the beginning of our evolution.	
		The three following help man during Period. They have	ng orders worked of their own free will to the three periods which preceded the Earth e also passed to liberation:	
3-	Gemini	Seraphim	who in the Moon Period, aroused in man- in-the making the germ of the human spirit- the Ego,	
4-	Cancer	Cherubim	.who, in the Sun Period, aroused the germ of the life spirit.	
5-	Leo	Lords of Flame	who, in the Saturn Period, aroused the germ of the divine spirit and gave the germ of the dense body.	
	The following Seven Creative Hierarchies are active in the Earth Period:			
6-	Virgo	Lords of Wisdom.	who, in the Sun Period, started the vital	
7-	LibraLo	ords of Individuality.	. who, in the Moon Period, started the desire	
8-	Scorpio	Lords of Form	who have special charge of human evolution in the Earth Period.	
9- 10- 11- 12-	Sagittarius Capricornus Aquarius Pisces	Lords of Mind Archangels Angels The Virgin Spirits	the humanity of the Saturn Period. the humanity of the Sun Period. the humanity of the Moon Period. who are the humanity of the present Earth Period.	

a. The logoic twelve-petalled egoic lotus, cosmic mental plane.
b. The solar twelve-petalled lotus.
c. The planetary logoic heart, also a twelve-petalled lotus.
d. The twelve-petalled human egoic lotus on the mental plane.
e. The twelve-petalled heart centre in a human being.

"It is all one path, but the Path of Initiation has to be trodden consciously by the thinker functioning through the central organ in the head, and from there intelligently traversing the Path which leads through the three worlds to the realm or kingdom of the soul. It might be stated here that the awakening of the heart centre leads a man to consciousness of the source of the heart centre within the head. This in turn leads a man to the twelve-petalled lotus, the egoic centre on the higher levels of the mental plane. The path from the heart centre to the head, when followed, is the reflection in the body of the building of the antaskarana on the mental plane. "As above, so below." The Light of the Soul, p. 295

43

"The solar system is (from the higher cosmic planes), seen as a vast blue lotus and so on down the scale; even the tiny atom of substance can be so considered.... Each petal of this solar twelve-petalled lotus, is formed of fortynine lesser petals. The planetary lotuses differ in each scheme and one of the secrets of initiation is revealed when the number of petals of:

- a. Our earth planet
- b. Our planetary polar opposite

c. Our complementary equilibrising planet is committed to the initiate." <u>Esoteric Astrology</u>, p.647



"...the soul is not a twelve-petalled lotus floating around in mental substance, but is in reality a vortex of force or twelve energies held together by the will of the spiritual entity (the Monad on its own plane)." <u>Discipleship In The New Age, v.2</u>, p. 193





"...it is a twelve-petalled lotus within the thousand-petalled lotus of the ONE ABOUT WHOM NAUGHT MAY BE SAID." <u>The Rays and Initiations</u>, p. 339



"[Through] the [relationship of the] solar plexus centre and the heart, the ten of the perfect man in this solar system is lost in the consummated twelve." <u>A Treatise On White Magic</u>, p. 87

"These identifications eventually bring about within the jewel, which is essentially the true spiritual unit, a momentous happening, and are undergone within the monadic consciousness after the transcendence of the atmic sheath. These four identifications are connected with the fourfold lotus of the solar Logos, or with His twelve-petalled heart centre. This lotus is sometimes called the "heart of the Sun," and concerns the subjective sun. These four Identifications are only undergone upon [the Path of Earth Service] and are each preceded by three lesser identifications which make a totality of twelve Identifications, corresponding to the twelve-petalled lotus. It will be noted by the accurate student that we are now discontinuing the use of the word "initiation" which has to do specifically with consciousness and therefore with duality and are utilising a word which connotes synthesis, though very inadequately." <u>A Treatise On Cosmic Fire</u>, p. 1246

## 144,000

"Symbolically also, if the sum total of the forty-eight petals of the five centres is added to the ninety-six petals of the centre between the eyebrows, the number one hundred and forty-four appears. This number signifies the completed work of the twelve creative Hierarchies, twelve times twelve, and thus the bringing together of the subjective soul and the objective body in perfect union and at-one-ment. This is the consummation. To these figures, one hundred and forty-four add that of the number one thousand (the number of the petals in the lotus of the head centre) and you have the number of the saved in the Book of Revelations, the one hundred and forty-four thousand who can stand before God, for the three ciphers which are found indicate the personality. When man has completed within himself the great work, when the number one hundred and forty-four thousand is seen as symbolising his point of attainment, then he can stand before God-standing now not only before the Angel of the Presence, but before the very Presence Itself." A Treatise On White Magic, p. 199













"He is the Ancient of Days reflected into the incarnate life of personality. One of the old occult names for the One Life is Lux, which is Latin for Light, and also an occult reference to the Hebrew word 'Adonai' or Lord." <u>The Tarot</u>, by Paul Foster Case

The Rays and the Initiations





"Silent, unostentatious reversal of one's own way of life, combined with perfect tolerance of the ways of other people, is the method of the practical occultist." <u>The Tarot</u>, by Paul Foster Case





"The submission of the personal consciousness to the direction of the Universal Mind."









"...in Pisces we have the fusion or blending of soul and form as far as man is concerned, producing the manifestation of the Incarnated Christ, the perfected individual soul, the completed manifestation of the microcosm. Thus the greater and the lesser polar opposites the human being and God, the microcosm and the Macrocosm—are brought to their destined expression and manifestation." <u>Esoteric Astrology</u>, p.115



























1. ॐ मित्राय नमः 2. ॐ रवये नमः 3. ॐ सूर्याय नमः 4. ॐ भानवे नमः 5. ॐ खगय नमः 6. ॐ पुष्णे नमः 7. ॐ हिरण्यगर्भाय नमः 8. ॐ मारिचाये नमः 9. ॐ आदित्याय नमः 10. ॐ सावित्रे नमः 11. ॐ आर्काय नमः 12. ॐ भास्कराय नमः
























## You'll find the number 12 used in 187 places in the Bible























"Its exoteric consideration: line, form and colour."

## Physical Attributes of the Dodecahedron

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20 vertices and 30 edges.

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The dodecahedron is formed by connecting twenty equally spaced points upon a sphere.

Three spheres can be drawn in connection with the dodecahedron, as with all the Platonic solids. The smallest sphere touches the central point of each of its faces.

The middle sphere touches the central point of each to its lines,

...and the largest sphere touches each of its vertices, and thus contains the dodecahedron.

Every face of the dodecahedron is parallel to one other opposite face, giving us six pairs of opposites. Each of these parallel faces point in opposite directions.

When viewing a dodecahedron so that it has a top and bottom face, the ten remaining faces are connected by a common zig-zag line. The top five of these faces points downward, and the bottom five faces point upward.

When viewing a dodecahedron so that one of the vertices is at the very top, there will also be a vertices at the bottom, thus allowing one to create a vertical axis that bisects the central point of the figure.

Connecting any other two opposing vertices pinpoints this central point.

There are ten such equally spaced axes passing through the central point and connecting the 20 vertices.
Front view

Top view

When viewed with a vertices at top and bottom, three pentagonal faces merge at the top point and three at the bottom point, leaving six alternating pentagons forming the equator.

Each of the 12 faces connects to five other faces. These six faces form exactly half of the dodecahedron.

Each of the 20 vertices has three equiangular edges radiating from it.

Each edge connects to four other edges, two radiating out from each end.

If we connect the endpoints of these four edges, a square can be drawn on the surface of the dodecahedron. There are six such squares which together form a cube. Thus it is that a cube can be placed inside a dodecahedron in such a way that the two figures have eight vertices in common.

Icosahedron 20 faces 12 vertíces 30 edges

Dodecahedron 12 faces 20 vertíces 30 edges

The one platonic solid we have not looked at in this webinar series is the icosahedron. It has 20 triangular faces, 12 vertices, and 30 edges. Notice that these are the same numbers as in the dodecahedron, but with the numbers of the faces and vertices reversed.

This inversion indicates that the icosahedron is the dual of a dodecahedron, and visa versa. A figure's dual, you may remember, is derived by connecting the midpoints of each of a figure's faces.

But the connection between these two figures runs even deeper, for if we join the vertices of an icosahedron internally, they form a dodecahedron within the icosahedron.



These figures alternate, for when we connect the vertices of a dodecahedron internally we create an icosahedron. The edges of either of these figures can also be extended outwardly. Where they cross they form the reciprocal of the figure. There is an infinite progression of these two figures both inwardly and outwardly, all sharing a common central point.



Interestingly if we join each point of the 12 points of the icosahedron with 12 particular points of the dodecahedron, an octahedron is formed.

If we use each face of the octahedron as the base of a tetrahedron-remember the tetrahedron? It's made up of four equilateral triangles-we get a star-shaped figure that is actually two large interlaced tetrahedrons.

Remarkably, the outer eight points of these two interlaced tetrahedron coincide with the eight points of the dodecahedron not used to form the octahedron.



Even more remarkably, the 12 vertices of the internal icosahedron intersect the edges of the octahedron at the points that mark the Golden Section of these edges.

Now, if we draw lines joining the eight vertices of the interlacing tetrahedron we will find that we have constructed a cube. This cube fits precisely within the dodecahedron, and is, in fact, the same cube created by connecting the endpoints of the four edges shown on the right.



relationship.

If we assign a value of one to the length of the edges of the cube enclosed by the dodecahedron, we'll find that the length of the edges of that dodecahedron are .618. One to .618 is the Golden Mean relationship prevalent in so many natural forms.

.618

.618

.618

.618

The length of the edges of an enclosing icosahedron are 1.618, a Golden Mean relationship.

.618

1.618

The length of the edges of an icosahedron enclosed by the dodecahedron are .382, also a Golden Mean relationship- giving us four Golden Mean relationships.

Tetrahedron	1 x (3 + 4 + 5) times (3 x 4 x 5)
Octahedron	2 x (3 + 4 + 5) " (3 x 4 x 5)
Cube	3 x (3 + 4 + 5) " (3 x 4 x 5)
Icosahedron	5 x (3 + 4 + 5) " (3 x 4 x 5)
Dodecahedron	9 x (3 + 4 + 5) " (3 x 4 x 5)

3+4+5=12, and 3x4x5=60. Multiplied together these two sums give us 720, the sum of the angles in a tetrahedron. The above chart shows the sums of the angles of each of the Platonic solids in relationship.

"A comprehension in the astral or emotional body of its quality, the reaction of a sensitive response to the impact of its qualitative nature. A conceptual consideration of its underlying idea, of what it is intended to teach, of the intellectual meaning it is intended to convey."

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- When viewing a dodecahedron so that one of the vertices is at the very top, there will also be a vertices at the bottom, thus allowing one to create a vertical axis that bisects the central point of the figure. Connecting any other two opposing vertices pinpoints this central point.
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- Now, if we use each face of the octahedron as the base of a tetrahedron- remember the tetrahedron? It's made up of four equilateral triangles- we get a star-shaped figure that is actually two large interlaced tetrahedrons.
- Remarkably, the outer eight points of these two interlaced tetrahedron coincide with the eight points of the dodecahedron not used to form the octahedron.
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- Now, if we draw lines joining the eight vertices of the interlacing tetrahedron we will find that we have constructed a cube. This cube fits precisely within the dodecahedron, and is, in fact, the same cube created by connecting the endpoints of the four edges shown in the illustration.
- This construction includes all five of the Platonic solids in a systematic infinitely repeating relationship.
- Now if we assign a value of one to the length of the edges of the cube enclosed by the dodecahedron, we'll find that the length of the edges of that dodecahedron are .618. One to .618 is the Golden Mean relationship prevalent in the growth of so many natural forms.
- The length of the edges of an enclosing icosahedron are 1.618, also a Golden Mean relationship.
- The length of the edges of an icosahedron enclosed by the dodecahedron are .382, also a Golden Mean relationship.
- Thus we have these four Golden Mean relationships.
- Perhaps less amazing, but no less significant is the length of the edge of the tetrahedron, which is 1.414 or the square root of 2. This is because these edges correspond to the diagonals on the face of the cube.
- And finally the edge of the octahedron at .707 is precisely half this length.
- OK! A couple of interesting mathematical observations: As we know, 3+++5 = 12, and 3x+x5 = 60. Multiplied together these two sums give us 720, the sum of the angles in a tetrahedron.
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In terms of significance: When I look at the dodecahedron, I can't help but reflect on the fact that even knowing of the existence of this figure was a secret of initiation in ancient Greece.

## Æther

Fire

Air

Water

Fart

In terms of conceptual meaning but related to the above statement: Tradition associates the tetrahedron with fire, the octahedron with air, the icosahedron with water and the cube with earth. Plato mentions 'a certain fifth composition' used by the creator in the making of the universe. Thus the dodecahedron came to be associated with the fifth element, aether (prana).



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As we have have seen in our study, the number 12 is the consummate organizational principle as it allows the trinity to manifest into the fourfold realm of form. When we combine this understanding with the fact that all bodies of manifestation are in essence spherical, we might ask which forms embody both the qualities of the sphere and the number twelve?

Actually there are two such figures, which are deeply interrelated: the icosahedron, and the dodecahedron. In the icosahedron, twelve is exemplified through the point, in the dodecahedron twelve is exemplified by its faces.



DK speaks of the astrologícal constellations in terms of six great axes of opposite signs that, though in opposition, are essentially of the same nature. If we consider the fact that all units and groups of units in manifestation are in essence spherical, the dodecahedron/ icosahedron dual can be seen as the perfect form to describe the energetic interrelationship of these six astrological axes.

The 12 points of the icosahedron seem to represent the unmanifested source of these constellations, whereas the five-sided faces of the dodecahedron represent the manifest energies of these constellations in such a way that they are accessible to humankind.

For the same reasons the dodecahedron/icosahedron dual might describe the relationship between a Master, who stands at the central point, and His 12 senior initiates, a relationship, as we've seen, that has occurred throughout history.



Like the constellations on the ecliptic these groups were physically arrayed as a circle around a central point, but because all such groups are energetically spherical, their more essential configuration is possibly better exemplified by the dodecahedron/icosahedron dual. The Greeks gives us some verification for this hypothesis.

"It was the highest Deity itself which built the Universe in the geometrical form of the Dodecahedron; and its "first begotten" was born of Chaos and Primordial Light"

"The esoteric meaning of the word Logos (speech or word, Verbum) is the rendering in objective expression, as in a photograph, of the concealed thought. The Logos is the mirror reflecting DIVINE MIND, and the Universe is the mirror of the Logos."

Unmanifest, the logos is neuter, manifest, it is seen as androgynous or male/ female. Together they form both the Unseen and the Visible SPACE. This highest of dualities is well symbolized by the dodecahedron/icosahedron dual.



But this only addresses two of the five interrelationships in what some esotericists call 'the lesser maze'. L. Gordon Plummer author of The Mathematics of the Cosmic Mind, believes that the combined energies of the dodecahedron/ icosahedron dual create the Monad of a Human Being represented by the octahedron.



He says, "The Logoi of Brahmâ, [which can be described as] a great light emanating certain rays, or portions of itself, [expresses itself in a twelvefold manner]... The twelve points of the Icosahedron may properly be taken to represent these twelve Logoi, radiating their own twelve energies to form the highly complex entity that we call Man. This process is represented in the joining of the points of the Icosahedron with those of the Dodecahedron, forming the Octahedron, which is taken to represent the Monadic Essence of Man." The Mathematics of the Cosmic Mind, by L. Gordon Plummer



So, in this dual configuring action, we bridge the gap between the macro and the microcosm.





Within the microcosm the octahedron-as-Monad becomes the Creator of its own energetically bi-polar sheaths— bi-polar as spirit and matter, by which it is able to descend further into the world of form. This bi-polarity is represented by the dual interlaced tetrahedron, renowned in New Age sacred Geometry as the Merkaba. Mer-ka means light and spirit, ba means body. Merkaba is actually a Zulu word for the soul, and its dual orientation— one tetrahedron pointing down to the personality and the other up the the Monad seems an apt representation for the soul.
This transformation from octahedron to dual tetrahedron is brought about by making each triangular face of the octahedron into a small tetrahedron.



The outer eight points of these two interlaced tetrahedra coincide with the eight points of the dodecahedron not used to form the octahedron. Therefore the 12 combined points of the octahedron and dual tetrahedron, the Monad and soul, intersect with all the points of the dodecahedron, thus affirming humankind's link to the universal, the Macroprosopus or Adam-Kadmon. It's interesting to note in this context HPB statement that humankind is itself the 3rd logos.

Finally, we physicalize the Monad by connecting the vertices of the dual tetrahedron. This gives an enclosing cube representing the personality and the physical plane.

"The Dodecahedron lies concealed in the perfect Cube". The mystic meaning of this is, that the twelve great transformations of Spirit into matter (the 12,000 divine years) take place during the four great ages, or the first Mahayuga. Beginning with the metaphysical and the supra-human, it ends in the physical and purely human natures of Kosmos and man."



"The interlocking tetrahedron is then seen as the yin and the yang, for the tetrahedron is a volume of threeness and is therefore a primary symbol of a function accompanied by its reciprocal . The result of this harmonic interaction of opposites gives the cube, symbolic of material existence, the four states of matter, earth, air, fire, water. Both the cube and the interlocking tetrahedron touch the dodecahedron. At the heart of this tetrahedron is the octahedron, and as the cube is a formation of its extremities, the octahedron symbolizes the crystallization, the static perfection of matter. It is the diamond, the heart of the cosmic solid, the transformed and clarified lens of light, the double pyramid. The outer progression, extending into vaster and vaster realms, demarcates the same progression, the same genesis: icosahedron, the Purusha, generating the dodecahedron, the Prakriti, and within Prakriti the full play of manifested existence. The whole coagulation is begun by the secret seed which contracts the circle, the infinite, undifferentiated spirit, into the icosahedron. The seed is phi, the fire of spirit." <u>Sacred Geometry by R. Lawlor</u>

"4. The stage of the synthetic grasp of the purpose of a symbol, of its place in an ordered manifesting plan, of its true unified intent."

The stage of the synthetic grasp of the purpose of a symbol,
...of its place in an ordered manifesting plan,
...of its true unified intent.



The dodecahedron could be seenn as the energy matrix of the Universal Mother, with all that this implies. Theosophically this could be described as the shape of the material universe in the mind of the creative logos. This creative principle functions in accordance with the laws of Phi, which are everywhere present in the interrelations of the Platonic solids. But the dodecahedron is actually one of two reciprocal transcendent principles; its dual, the icosahedron, being its hidden vausal counterpart, together they are Purusha and Prakriti, yin and yang, which when reflected down into the world of matter manifest as the cube and the octahedron, subject to the laws of generation, and thus governed by the square root of 2.

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"Identification with the quality and purpose of the symbol as it is illuminated by the mind "held steady in the light." This final stage brings into activity the brain as well as the mind."





"Examine the Mexican MSS in the British Museum, numbered 9789, and you will find in it a tree whose trunk is covered with ten fruits ready to be plucked by a male and female, one on each side of it, while from the top of the trunk two branches shoot horizontally to the right and left, thus forming a perfect tau, the ends of the two branches, moreover, each bearing a triple bunch, with a bird -- the bird of immortality, Atman or the divine Spirit -- sitting between the two, and thus making the seventh. This represents the same idea as the Sephirothal Tree, ten in all, yet, when separated from its upper triad, leaving Seven. These are the celestial fruits, the ten born out of the two invisible male and female seeds, making up the 12, or the Dodecahedron of the Universe.

The mystic system contains the central point; the 3, the five, and the seven; the triangle in the square and the synthesizing point in the interlaced double triangles. This is the world of the archetypes. The phenomenal world receives its culmination and the reflex of all in MAN. Therefore he is the mystic square -- in his metaphysical aspect -- the Tetraktis; and becomes the Cubeon the creative plain. His symbol is the cube unfolded [wherein] 6 becomes 7, or the three, crossways, and four vertically; and this is man, the culmination of the deity on Earth, whose body is the cross of flesh, on, through, and in which he is ever crucifying... the divine Logos or his HIGHER SELF.

"The universe," says every Philosophy and Cosmogony, "hath a Ruler set over it, which is called the WORD [or] Logos; the fabricating Spirit is its Queen: which two are the First Power after the ONE." <u>The Secret Doctrine by HPB</u>





http://makara.us/04mdr/webinars/sacred-geometry.html