

Pythagoras Suppressed

The revival needed to overthrow today's standard model priesthood

by Matthew Ehret © 2021

This article discusses the suppressed Pythagorean Tradition both as a celebration of a lost art of thinking that gave rise to the greatest revolutions in science and even moral philosophy, but also as an antidote to the impotent cult of scientism which has permeated every branch of thought in our presently beleaguered age.

This cult of scientism masquerading behind peer reviews and a new technocratic priesthood of "experts", professes arrogantly to hold all the answers to the nature of the Universe from the "start" of the Big Bang 13.7 billion years ago, the structure of atoms made up of quarks that have never been observed, fundamental "forces" that are presumed to exist as separate entities, and mysterious stuff like "dark matter" mixed with "dark

energy" that we are told makes up 95 per cent of existence.

This same cult has imposed "standard models" onto the cosmology of macro physics which all respectable citizens are expected to conform to regardless of its mountainous array of self-contradictions. The standard model of atomic physics posits as unquestionable articles of faith the self-evident existence of such things as "building blocks of matter" that are themselves shaped by:

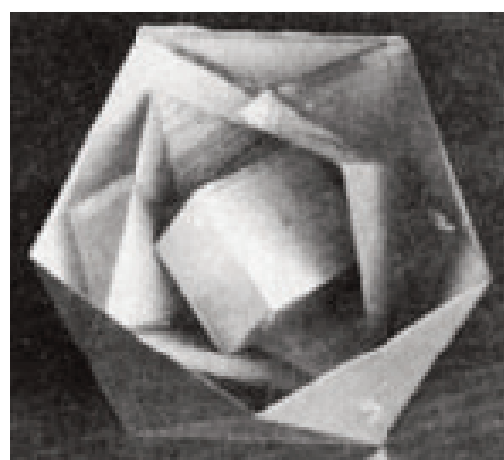
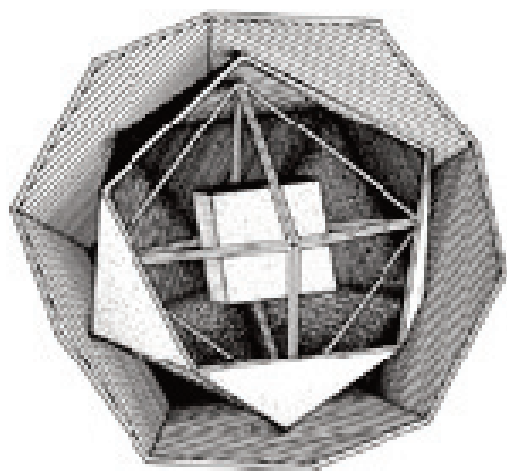
- 1) randomised stochastic behaviour; and
- 2) being separated from any lawful connection to the macro domain which is defined by laws of rigid determinism on the large.

Most virulent among this sickness is the total severing

of the "objective" forces of the Universe on either macro or micro levels from the supposedly "subjective" pollution of the inner life of humans, tainted as they are by the fundamentally irrational passions and lower impulses of emotions which we are told are masters of our thoughts and identities.

The remedy to this sort of sickness that is indeed very much connected to society's tendency to accept a medical dictatorship, sun-blocking tech, depopulation schemes or decarbonisation-driven boondoggles, is to simply revive a practice of *real* thinking tied to awakening the sacred universal sentiments that find joy in discovery, sharing, teaching and acts of agapic love, rather than the lower passions tied to the satisfaction of hedonistic impulses or joys of cheap thrills. This is a method which was embodied in the best exemplars of the Pythagorean tradition.

I will shed light on this vital method of thinking which has fallen into obscurity by introducing a modern champion of this tradition named Dr Robert Moon (1911–1989) which will also involve an exposition of the revolutionary discoveries of Johannes Kepler, Plato and the Pythagorean movement which forever altered the course of humanity's creative evolution. In a following sequel I will showcase the work of two other modern Pythagorean traditions that paralleled Dr Moon's work in the form of the work of Dr Robert Bussard and a team of scientists managing the Safire Project as part of a broader Electric Universe reform of cosmology and quantum physics.



Two artistic renderings of Dr Moon's Keplerian model of the nucleus

Introducing the Moon Model of the Nucleus

Renowned physicist, Robert Moon (inventor of the Cyclotron particle accelerator and X-ray microscope), found his world shaken by the newly discovered Quantum Hall Effect (QHE) that had won Danish physicist Klaus von Klitzing the Nobel Prize in 1984.

Without going into extreme detail, Dr von Klitzing noticed that something strange happened when a

constant current flowing through a superconductor generated a voltage/resistance of charge when a magnetic field was brought perpendicular to the electron flow. That itself wasn't novel, as Edwin Hall had noted this fact a century earlier. What Dr von Klitzing found strange was that when the magnetic field intensity was steadily increased using a superconductor at extremely cold temperatures, rather than observing a parallel increase in voltage of resistance as Hall had observed in regular conducting metal plates earlier, no proportional increases were observed. Instead, the resistance/voltage remained unchanged as the magnetic field intensity increased for strikingly long durations... until thresholds were struck upon whereby sudden quantum leaps occurred to new plateaus defined by integers characterising each plateau and in total conformity with Planck's constant¹.

In all, several of these plateaus were observed at specific frequencies and no one in the scientific community could comprehend what was going on?

For a potent mind like Robert Moon, he began contemplating other states of harmonic quantisation in nature from Schumann Resonances², to red shifts³, to even basic phenomena we take for granted, like the colour spectra of light which itself corresponds to signatures of every element and even isotope on the periodic table of elements when heated. Why would electromagnetic processes exist in such discrete quantised manner?

With a profound sense of wonder and faith in his mind's ability to leap into the unknown, Dr Moon described his

method by telling a grouping of students in 1987:⁴ "We do have a means whereby each and every one of us must, to some extent, be aware of everything in the Universe... of course we may be aware of it, but we may not comprehend it".

After contemplating the QHE, Dr Moon stated "the next thing that struck me was: well, if space is going to be quantized, it should be quantized with the highest degree of symmetry. And so that

immediately said, 'well those are the Platonic solids.'"

Having a foundation in classical education and constructive geometry, Moon recognised in the five solids outlined in Plato's *Timaeus*, something universal about the nature of the boundedness and harmony of a quantised space-time as well as the mind of God.

Of all infinitely conceivable solids that could be built, why was it demonstrable that only these five could exist

with regular faces, equal angles and vertices touching the interior of a circumscribing sphere and midpoints of surfaces containing a smaller inscribed sphere? Why only five?

In addition to the *Timaeus*, Moon spent a few potent months of 1984 immersed in a study of Kepler's *Mysterium Cosmographicum* (1596) which was itself inspired by the concepts outlined in Plato's *Timaeus*. In order to properly appreciate the revolutionary new idea that Dr Moon unveiled, it is necessary that we now take a moment to unpack the essentials of Plato's Pythagorean ideas and the work of Johannes Kepler that they inspired.

Plato's Solids

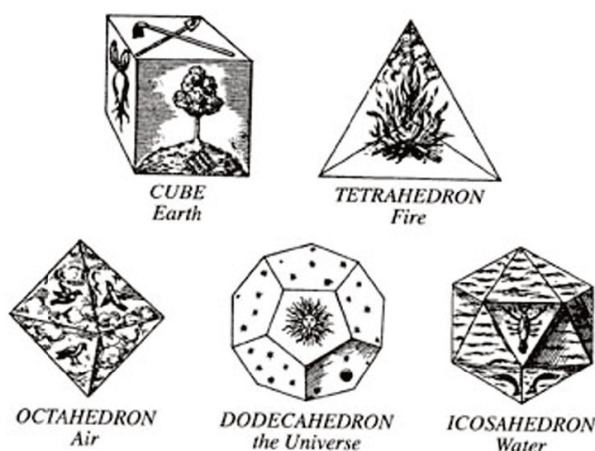
Plato (speaking through his friend Timaeus of Locri) outlined each solid as corresponding to a fundamental element saying:

"We must proceed to distribute the figures we have just described between fire, earth, water, and air... let us assign the cube to earth, for it is the most immobile of the four bodies... the least mobile of the remaining figures (icosahedron) to water, the most mobile (tetrahedron) to fire, and the intermediate (octahedron) to air."

The remaining figure (dodecahedron), being endowed with the golden section as it is made up of 12 pentagons, was made to represent the divine template "which the god used for embroidering the constellations on the whole heaven". Many have read this passage to signify the existence of an interplanetary medium or ether through which all light travels.

Finally, Plato's *Timaeus* introduces the most important concept of the Pythagorean system by discussing the "music of the spheres". This silent music guiding the orbits is shaped by certain divisions of the string (itself representing God's unity and harmony through which all is infused with meaning), and a doubling of 1:2 creating

Plato's elements and the fundamental states of matter



**Solid
Liquid
Gas
Plasma
Ether?**

the first relationship of resonance known as an octave. Plato goes on to find other proportions of 2:3 (fifth), 3:4 (fourth) and adds several other proportions that amount to 1, 2, 3, 4, 8, 9, 27. These proportions thus established, Plato's *Timaeus* ushers in a new study of astronomy and sphaerics upon the resonances of the planets as one musical system. One poem. Not a poly but for once, a true *uni*-verse.

It is vital to hold in mind that Plato was fighting to save the soul of Athens as his beloved city had already slid far into corruption, imperial wars abroad, civil wars within, and decadence abounding everywhere. Describing his insight into the importance of geometry to the students of his Academy, Plato stated in his *Republic*:

"Geometry is... pursued for the sake of the knowledge of what eternally exists, and not of what comes for a moment into existence and then perishes... it must draw the soul towards truth and give the finishing touch to the philosophical spirit."

The Pythagorean Golden Renaissance

Long after the society which Plato attempted to save collapsed under its own folly and inability to break from worldly material concerns towards love shaped by higher divine pleasures of the eternal realm, the Pythagorean spirit again found a new home in the heart of a young

Leonardo Da Vinci's Drawings of the Platonic Solids



Tetrahedron



Cube



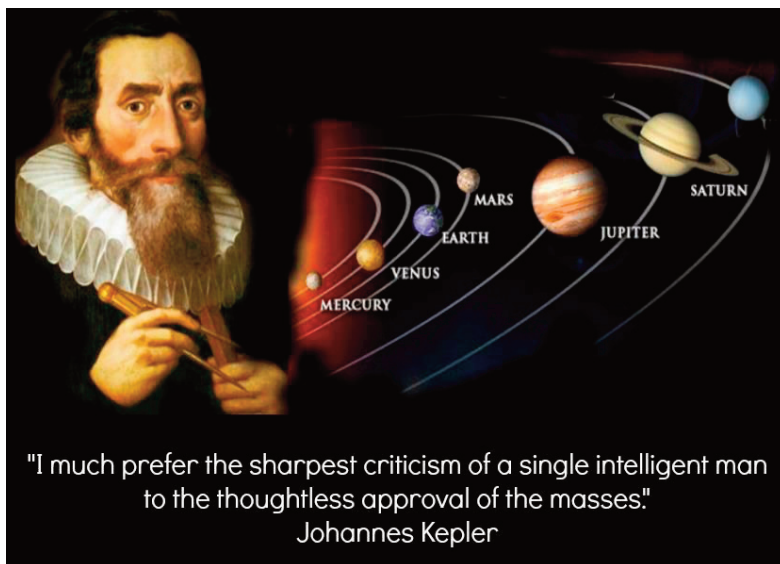
Octahedron



Icosahedron



Dodecahedron



German mathematician named Johannes Kepler.

Kepler was living in a world of great potential having only recently experienced a creative revolution in the form of the flowering of new discoveries across all domains (including statecraft) during Europe's Golden Renaissance. Figures like Luca Pacioli, Leonardo Da Vinci and Raphael Sanzio had revived the Pythagorean traditions and especially the study of the five platonic solids which infused new meaning and spirit into a science that had grown stagnant under centuries of descriptively obsessed scholasticism.

Rather than suffer under the stagnant "definition-driven" models of Aristotelianism that had imposed a cage onto creative thought, this new generation of Pythagoreans became "process-oriented", focusing on the incommensurable yet existent ironical relationship of the finite and infinite, the eternal/temporal, the divine/worldly and being/becoming. Pacioli brought the most rigorous studies of the golden section to the world in his *Divina Proportione*, while his friend da Vinci studied and illustrated Plato's solids.

Faced with the explosion of creative new discoveries translating at breathtaking speeds into new technologies and uplifting the cultural standards in uncontrollable ways, forces representing the entrenched oligarchical interests of the Old Roman Empire then centered in Venice had been hard at work to derail this process into an age of war, inquisitorial religious fanaticism, empiricism and ignorance.

This was the stage upon which Kepler entered and took sides in the universal battle for the soul of civilisation. Describing the slide into never-ending wars that was beginning to take hold of his world, Kepler wrote in the preface to the second edition of his *Mysterium Cosmographicum*:

"Would that even now indeed there may still... be a place for Plato's oracular saying. For when Greece was on fire on all sides with a long Civil War and was

troubled with all the evils which usually accompany civil war, he was consulted about a Delian riddle, and was seeking salutary advice to the peoples. At length he replied that according to Apollo's opinion, Greece would be peaceful if the Greeks turned to geometry and other philosophical studies as these studies would lead their spirits from ambition and other forms of greed, out of which wars and other evils arise, to the love of peace and to moderation in all things."⁵

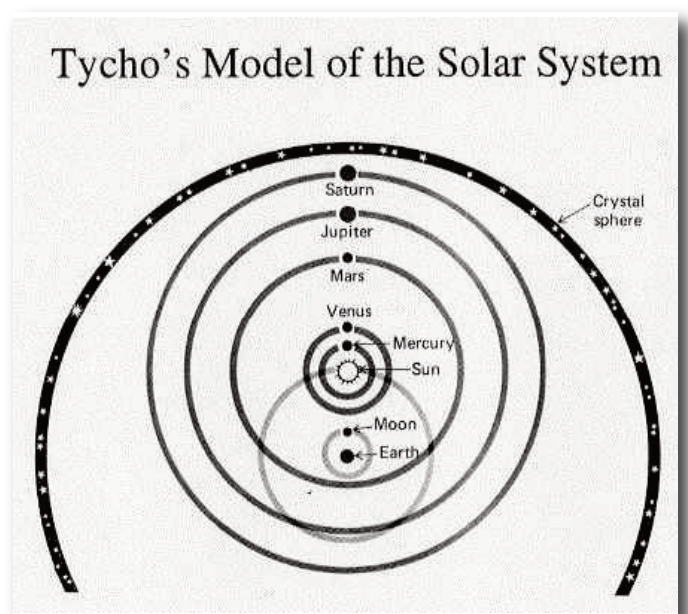
As a young mathematician teaching in Graz, whose father had died as a mercenary, Kepler devoted his entire life to the cause of peace and the goal of ushering in a new age of creative reason. His strategic focus became his devotion to prove that the Pythagorean thesis outlined by Plato in the *Timaeus* was true and use that

proof to bring a new standard of natural law to humanity which our chaos-ridden species could use in order to "tune" ourselves with the laws of Creation.

Kepler wrote:

"It is my intention to show in this little book that the most great and good creator, in the creation of this moving universe and the arrangement of the heavens, looked to those five regular solids, which have been so celebrated from the time of Pythagoras and Plato, down to our own, and that he fitted to the nature of those solids, the number of the heavens, their proportions and the law of their motion."

While Kepler is known for having discovered his "three laws of planetary motion", it is all too rare for students in modern society to do what Dr Moon did in 1984... which was read Kepler's own writings and replicate the act of discovery that Kepler subjectively experienced during his 25-year voyage from 1595–1620 as he discovered those "objective" laws shaping reality.



In his *Mysterium*, Kepler outlines the first phase of his discovery by breaking from all prevalent "standard models" of astronomy of his day.

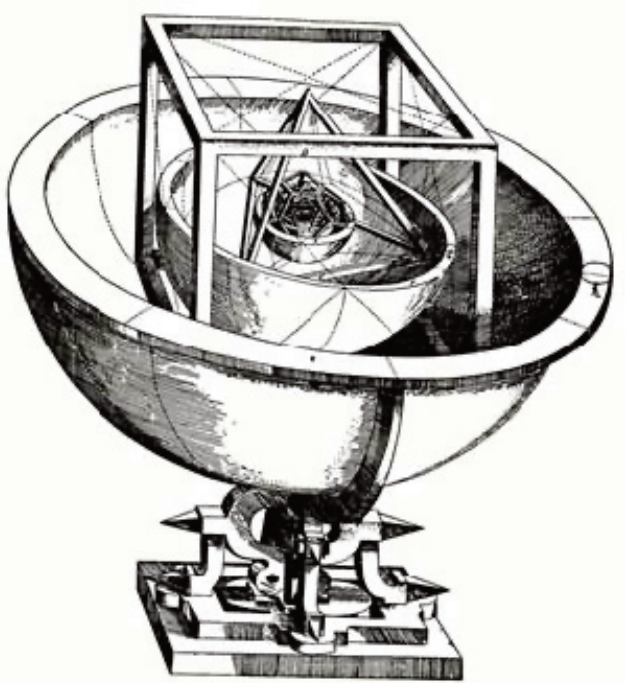
Anyone could work within the confines of any of the three fundamental standard models of Ptolemy (which placed the Earth in the centre of the system), Copernicus (which placed the centre of the Solar System near the Sun although it had nothing to do with the sun as a causal agency), or the new hybrid model innovated by Kepler's employer Tycho Brahe which featured the Earth in the centre, Sun orbiting the Earth and all other planets orbiting the Sun.

While these three models could equally describe the motions of the planets within a low degree of error, none of them truly cared about the causal principles of harmony, truth or causality which animated Kepler's heart. None of them asked the fundamental question so important for all true science: Why were the planetary orbits where they are instead of some other arrangement?

The *Mysterium Cosmographicum* Revives the *Timaeus*

While reviewing the *Timaeus*, Kepler stumbled upon his first strong hypothesis. By nesting the five platonic solids lawfully within each other with inscribed and circumscribing spherical shells, certain fundamental proportions were created resulting in a unifying system that very closely approximated the actual distances of the planets around the Sun as measured by Copernicus decades earlier.

Kepler described his model thus:
"The Earth is the circle which is the measure of all. Construct a dodecahedron around it. The circle surrounding that will be Mars. Round Mars, construct a tetrahedron. The circle surrounding that will be Jupiter. Round Jupiter, construct a cube. The circle surrounding that will be Saturn. Now construct an icosahedron inside the Earth. The circle inscribed within that will be Venus. Inside Venus, inscribe an octahedron. The circle inscribed within that will be Mercury."
Within a few years, Kepler discovered that the data



used was too divergent from actual data to stand as a full discovery, and the young mathematician sought employment with the famous Tycho Brahe himself, since the old aristocrat was famous for his rigorous celestial data sets. His theory left much to be desired, but Kepler's congenial disposition and novel thinking expressed in the *Mysterium* impressed the old astronomer and Kepler was soon working as Tycho's assistant.

After Tycho's death in 1601, Kepler toiled relentlessly in order to solve the paradox of the retrograde motion of Mars that had perplexed astronomers for thousands of years, but this time armed with Tycho's rigorous data sets. Kepler refused to accept the explanation that the two-week retardation of Mars which occurred every 686 days was due to invisible mathematical points on planetary orbits then dubbed "epicycles".

Even the great Copernicus was forced to place several epicycles into his model in order to make the mathematical model conform to the strange behaviour of Mars. Kepler realised that these epicycles (and their corollaries called "equants") had to be created due to

Adjacent Planets	Ratio of Orbits	Polyhedron	Kepler Ratio	Error
Jupiter – Saturn	5.20 / 9.54 = 0.545	Cube	0.577	5.87%
Mars – Jupiter	1.52 / 5.20 = 0.292	Tetrahedron	0.333	14.0%
Earth – Mars	1.00 / 1.52 = 0.658	Dodecahedron	0.795	20.8%
Venus – Earth	0.723 / 1.00 = 0.723	Icosahedron	0.795	9.96%
Mercury – Venus	0.387 / 0.723 = 0.535	Octahedron	0.577	7.85%

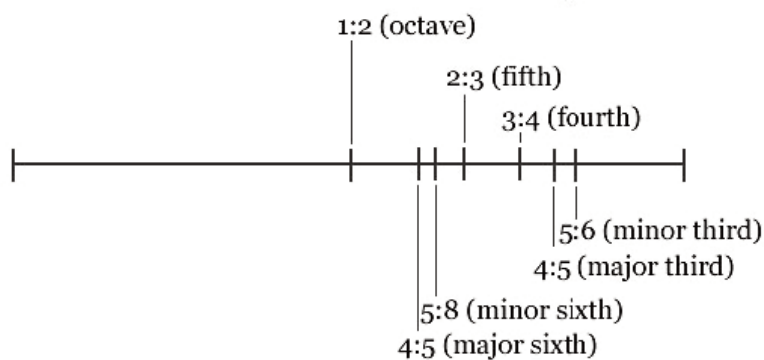
The actual ratios of the planets contrasted with Kepler's ratios. A good start but not the final word.

the hegemonic belief that all orbits were perfect circles. Thinking otherwise was nothing less than heresy since the following Aristotelian syllogism was law: A) God created the orbits; B) the most perfect shape is the circle; C) God is the most perfect being; and thus D) God created the orbits as circles.

When Kepler published his first two planetary laws of motion in the *New Astronomy* in 1609, he lit a fire that has kept oligarchical parasites up at night for centuries. Not only did he destroy the foundations upon which the standard models were premised with his elaboration in books 2–6 of his *Vicarious Hypothesis* creating the most perfect model of the Solar System ever generated using the *real* instead of the mean Sun position, but also demonstrated that with this most perfect model, a discrepancy of eight minutes of arc of longitude could not be made to disappear. This ontological paradox liberated the explorer from the fetters of epicycles and perfect circles to explore new vistas which ushered in his three-fold discovery:

- 1) Planetary orbits were ellipses with the sun occupying one foci;
- 2) That amidst the constantly accelerating/deacceleration motion of all planets around the Sun, equal areas would be swept out in equal times;
- 3) That this entire process is governed by a substance/effluence shaped by a rotating sun analogous to magnetism and light.

Harmonic Divisions of a String



These are the mathematical ratios for creating the intervals that Kepler finds by experiment are both consonant with respect to the whole string and with each other.

Not Gravity, Magnetism: Kepler's Electric Insight

Citing the works of the great English scientist Michael Gilbert (discoverer of the magnetic nature of the Earth), Kepler found himself as a founding father of not only a new astronomy but also the Electric Universe.

Describing the magnetic power, Kepler wrote:

"One might inquire of me, what sort of body I consider the sun to be, from which the motive species descends. I would... urge him to inspect more closely

the example of the magnet brought up a little earlier, whose power resides in the entire body of the magnet when it grows in mass or when by being divided it is diminished."

Kepler continues without ever making recourse to the existence of "forces" and although the later Newtonian formulation of the term "gravity" and the inverse square law is derived from Kepler's laws (which some have postulated to have been stolen by the Royal Society handlers in London who controlled Newton), Kepler always maintained that magnetism was the form that this species of attraction and motion took, saying:

"Therefore, as the sun forever turns itself, the motive force or the outflowing of the species from the sun's magnetic fibres, diffused through all the distances of the planets, also rotates in an orb and does so in the same time as the sun, just as when a magnet is moved about, the magnetic power is also moved, and the iron along with it, following the magnetic force."

But Kepler did not stop there. These discoveries were merely means to a higher end.

The Harmonies of the World

By establishing these fundamental objective laws within the subjective realm of his sovereign mind (emotions and all), and experiencing all the associated joys, love and insight which such discoveries carry with them, Kepler embarked upon the last leg of his journey which culminated in his *Harmonia Mundi* in 1619 published just as Germany was plunging headfirst into the devastating Thirty Years' War. It was here that Kepler was able to reconstruct all of astronomy upon a new Pythagorean edifice. By taking the minima and maxima of each known planet within their orbits (i.e. the closest/fastest and furthest/slowest positions from the Sun) a new array of musical proportions were found throughout the Solar System.

By treating a circle as a singular string wrapped unto itself, and then interposing elemental shapes (after the first halving which created a diagonal/octave), sounds of triangles could be compared to the sounds of squares, pentagons, hexagons and octagons with all associated proportions being generated therein located between the boundary conditions of 1 and 1/2. In this regard Kepler generated 1/2 (octave), 2/3 (fifth), 3/4 (fourth), 4/5 (major 3rd), 3/5 (major 6th), 5/8 (minor 6th), and 5/6 (Minor 3rd).

Additionally, by investigating the proportions of the fifth and fourth which pervade the string, Kepler was able to zero in on the elusive second and seventh as the final consonant intervals followed by the melodic intervals of

8/9, 15/16 and 24/25 which allowed the astronomer to generate several musical scales. In the end Kepler evaluated all of the possible scales and found the G Scale to have the greatest correlation with the planets in the Solar System.

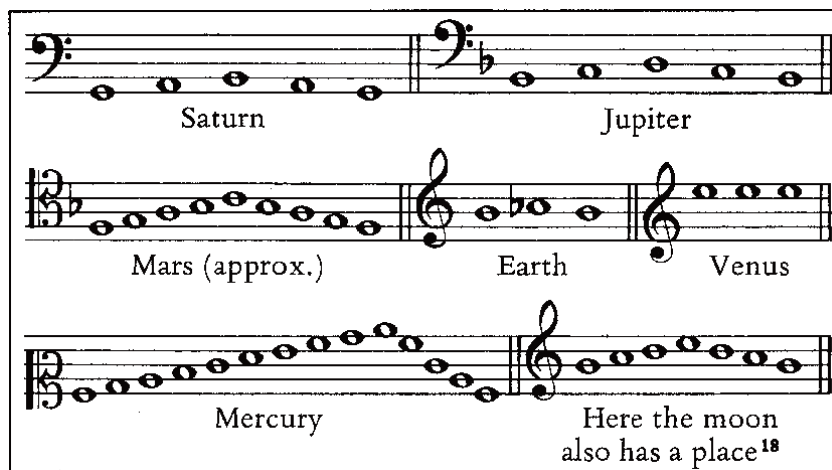
The distances and speeds at min/max of Saturn were then found to have a 4/5 relationship, while Jupiter, Mars, Earth and Venus generated resonances of 5/6, 2/3, 15/16 and 24/25.

While all the planets thus harmonised with each other, one singularity stood out. Mars and Jupiter simply failed to generate the expected resonance with a strange missing interval of 18/19 causing the two planets to unresolve as the others had. Although it took another 200 years, this large gap turned out to be the exact location where the asteroid belt was to be discovered which we now know contains millions of small and large rocks—some on the magnitude of small moons like Ceres.

Kepler could not contain his divine joy in the preface of his 5th book of the *Harmonies* where he said:

"Now eighteen months after the first light, three months after the true day, but a very few days after the pure Sun of that most wonderful study began to shine, nothing restrains me. It is my pleasure to yield to the inspired frenzy, it is my pleasure to taunt mortal men with the candid acknowledgement that I am stealing the golden vessels of the Egyptians to build a tabernacle to my God from them, far, far away from the boundaries of Egypt... Whether it is to be read by the people of the present or of the future makes no difference: Let it await its reader for a hundred years if God Himself has stood ready for six thousand years for one to study him."

It was from this fire of passion that Kepler gave light to



Kepler's musical model of the solar system that underlay his 3rd Law

his 3rd law. This law demonstrated that a universal relationship existed between the periodic times of each planetary orbit squared to the cube of the mean distance of each planet to the Sun and remains a bedrock of modern astronomy to this very day.

Sadly, it took more than a hundred years for humanity to properly study Kepler, as his work remained consciously obscured for generations, read by only a few who grasped the importance of its wisdom.

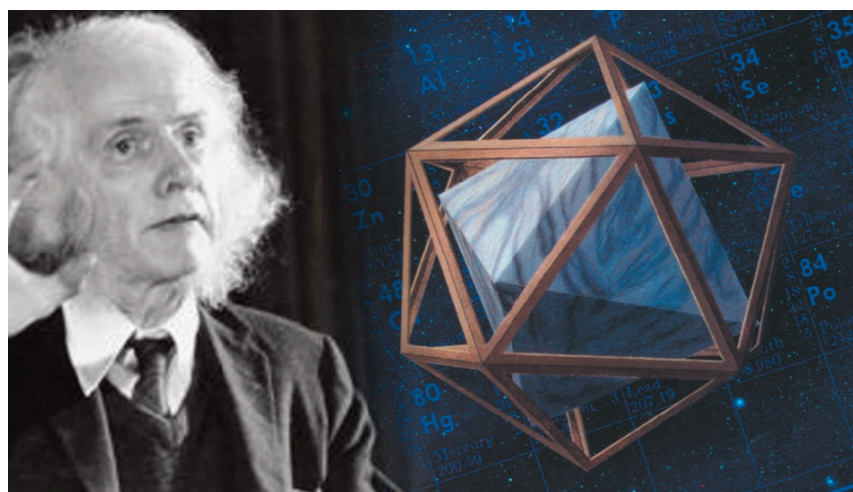
One of those few was named Dr Robert Moon.

A Return to Moon's Keplerian Revolution

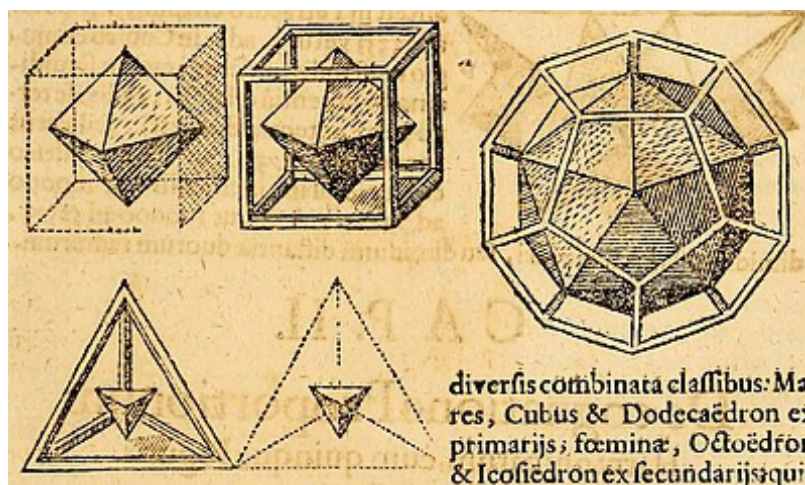
Dr Robert Moon immersed himself in Kepler's works and emerged with a new model of the atom which, like Kepler's original work, has been examined by very few to this day.

Despite the fact that he died before his young discovery could be properly ripened, this work serves as an invaluable foundation for any explorer searching to find a coherent explanation of the structure of the nucleus and the reasons for the configuration of the positively charged protons inside of atomic nuclei which are somehow capable of overcoming the Coulomb barrier without recourse to the kinetic pressure that the *strong nuclear force* demands.

Being a physical chemist, Dr Moon recognised that no model of the atom could make any sense out of the context of a system as a whole unity. Just as no planet could be explored individually, Dr Moon looked at the entire periodic table of 92 naturally occurring elements as his unit. From this reference frame, Dr Moon asked: Are there any harmonic force-free pathways/orbits that define the motion of protons inside of atomic nuclei such that they co-exist in close proximity without being violently repelled from each other?



Dr Robert Moon and his Keplerian model of the nucleus—design at right by Christopher Sloan (21st Century Science and Technology)



A diagram of solids and their duals printed in Kepler's *Harmonia Mundi*

Additionally, is there some configuration of the nested platonic solids that offers us a clue to this arrangement?

Just like Plato and Kepler before him, Dr Moon recognised the importance of duals in setting up his arrangement. Where the cube containing six faces and eight vertices is a dual of the octahedron (which contains eight faces and six vertices), the dodecahedron containing 12 faces and 20 vertices is the dual of the icosahedron which contains 20 faces and 12 vertices. The tetrahedron having four faces and four vertices being the anomaly which Kepler called "hermaphrodite" in the sense that it is its own dual.

This relationship gave both Kepler and Moon a logical foundation to nest the solids inside of each other without having recourse to randomness at any moment. While Kepler used all five, however Moon saw the self-dualled tetrahedron as enough of an anomaly to leave out of his atomic model for the time being, resting only with a configuration that involved starting with the cube, nested inside of an octahedron, which nests inside of an icosahedron, followed by the dodecahedron.

What did this look like and what anomalies were satisfied?

For starters Moon recognised that if each vertex is treated as an element on Mendeleev's table starting with hydrogen at atomic number 1, then each completed solid generates the following elements: Cube (8) which represents oxygen, Octahedron (6) represents silicon ($8+6=14$), Icosahedron (12) represents Iron ($8+6+12=26$), and the Dodecahedron represents

Palladium ($8+6+12+20=46$). With this configuration, several interesting factors occurred, the singularities of oxygen, silicon and iron represent the three most abundant elements found within the Earth's crust.

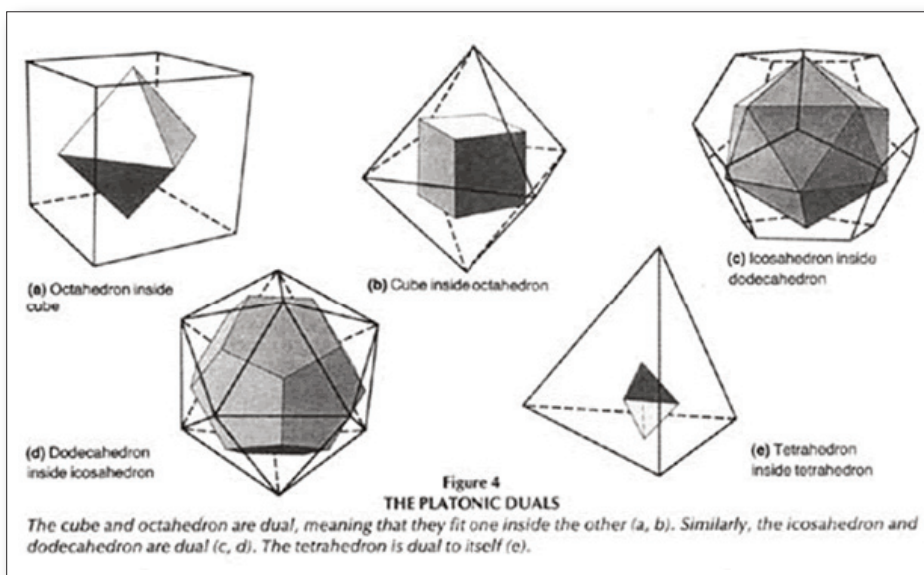
Additionally, when reviewing other factors like the rates of atomic compression, reciprocal melting points, co-efficients of expansion and paramagnetic powers we find again the presence of a high array of these elements: oxygen, silicon, iron and palladium at either maxima or minima positions.

But that of course only accounts for half of the periodic table of elements. What about the other half?

Here Dr Moon began growing a second set of nested solids which together accounted for all 92 elements of the periodic table ($46+46=92$ vertices). When 10 of the 20 vertices of the second dodecahedron are now added to the first set, then we arrive at atomic number 56 (barium) which then sets the stage for the lanthanide series.

If an additional cube and octahedron are nested therein before completing the dodecahedron, all members of the anomalous lanthanide series are found to exist in total harmony with the other elements rather than falling outside of the periodic table as is the awkward fact with the popular table we are taught in school.

When the icosahedron is then filled in around the second inner cube and octahedron, we arrive at lead (82 vertices) and the end of all stable atoms. After atomic number 82, the instable radioactive atoms begin to express themselves as we fill in the remaining vertices of the dodecahedron. By the time we arrive at 87 however, the last pentagon faces of both dodecahedra are shared



A more recent diagram of each solid and their duals published by *21st Century Science and Technology*

which required Dr Moon to then unhinge them first by rotating the solids on an edge of a pentagon followed by a second unhooking along the last shared vertex and finally a convergence of both solids slightly into each other's orbits indicating the instability of uranium (92).

Unfortunately, Dr Moon passed away during the early stages of his hypothesis, and while his student Laurence Hecht took the model further, finding a home for the tetrahedron, as well as a myriad of other functions of the periodic table and tied much of it to the Gauss–Ampere–Weber electrodynamics of the 19th century which was suppressed after 1860,⁶ many discoveries are yet to be made before it can take full mature form as Kepler's earlier work had done with his 1619 *Harmonies*.

While other modern scientific movements working in parallel and sometimes overlapping with the work of Dr Moon have revived other aspects of Kepler's Pythagorean approach to the micro and macrocosm, the full consummation of this revolution in science awaits future scientists to carry the discoveries to their full maturity.

What incredible breakthroughs await our future happier age when humanity will finally be liberated from the soulless tentacles of standard models that have no bearing on the true harmonic, loving nature of our creative universe? How will future generations ripen to creative fruitfulness at ever younger ages as the suppressed methods of Pythagorean constructive thinking become liberated from the cage of dead mathematical formulae? What accomplishments both on the Earth and across the Universe will our creative species be expected to make as we finally leave the womb of the biosphere and learn to self-sustain ourselves across the cosmos, re-creating the conditions of biospheres through the harnessing of new energies and untapped power of the atom?

Of course it is impossible to know anything of this magnitude with absolute certainty, although what is knowable is the fact that the oligarchical system which has worked for too many epochs to keep our species subdued in ignorance, division and war is certainly out of tune with the higher moral laws which the greatest minds from Plato, Kepler to Dr Moon understood to be at the heart of creation.

Conclusion

I would like to end with a short exhortation from Plato who pondered the purpose of a healthy mind in the following manner:

"God invented and gave us sight to the end that we might behold the courses of intelligence in the heaven, and apply them to the course of our own intelligence which are akin to them, the unperturbed to the perturbed, and that we, learning them and partaking of the natural truth of reason, might imitate

the absolutely unerring courses of God and regulate our own vagaries."

About the Author:

Matthew Ehret is a journalist and co-founder of the Rising Tide Foundation. He is the Editor-in-Chief of Canadian Patriot Review, Senior Fellow at the American University of Moscow and BRI Expert for Tactical Talk. He has authored scientific articles with 21st Century Science and Technology, Principia Scientifica and his previous contributions to NEXUS Magazine include: "In Defence of Carbon Dioxide" in volume 28, number 5 (Aug–Sept 2021), "The Great Reset Architects", in volume 28, number 3 (Apr–May 2021), "Rediscovering Our Living Universe" in volume 28, number 1 (Dec 2020–Jan 2021), "The Sabotage of Science" in volume 27, number 5 (Aug–Sept 2020), "Electromagnetic Wave Therapy: Potential for COVID-19?", "The Plasma Universe" (Science News), both volume 27, number 4 (Jun–Jul 2020) and "Mackinder vs China's New Silk Road", volume 26, number 1 (Dec 2018–Jan 2019). Ehret can be reached at matt.ehret@tutamail.com.

Endnotes

1. It should be here noted, that rather than treating his constant as a "length", which many have been trained to do in our age, Planck always followed a Keplerian mode of thinking and implored scientists to rather conceptualise his constant as a form of "harmonic oscillation".
2. The subtle frequencies permeating the Schumann Resonance are 7.83 Hz, 14 Hz, 21 Hz, 26 Hz, 33 Hz, and 39 Hz.
3. Recent studies by K.G. Karlsson and G.R. Burbidge found that an analysis of all available quasars resulted in discrete redshift frequencies of $z = 0.061, 0.30, 0.60, 0.96, 1.41$, and 1.9.
4. Robert Moon on "How He Conceived his Nuclear Model," *21st Century Science & Technology*, Fall 2004 https://21sci-tech.com/Articles%202005/moon_F04.pdf
5. The famous Delian Riddle was first recounted by Eratosthenes (a leading student in Plato's Academy who discovered the circumference of the Earth). He describes the challenge delivered to the people at Delos to double the volume of a cubic temple. The doubling of the Cube was a challenge that absorbed generations of thinkers when Plato wrote those words but had no answer until Plato's collaborator Archytus finally figured out the solution by making recourse to the combined action of a sphere, cone and cylinder.
6. "The Atomic Science that Textbooks Don't Teach" by Larry Hecht and Jonathan Tennenbaum, *21st Century Science & Technology*, Fall 1996, https://21sci-tech.com/articles/Atomic_Science.pdf