

Beyond the Etheronic Structured Chemistry of the Physical World

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Abstract: The actual turning point within the terrestrial evolution – marked by the transition from the ATOMIC to the ETHERONIC era – implies a quantum leap, the sudden extension of our knowledge, a great jump forward in the general cosmic evolution, inclusive the extending of the limits of CHEMISTRY. In this sense, after the first Chemistry Congress in 1860 – like the inflexion-point of the chemical evolutionary logistic-hyperbolic curve – took place a leisurely doubling of the chemical elements, arriving to 118 till 2013, followed in 2015 by a jumping to the superior limit of the Chemical Whole Periodic System with 560 elements and the Etheron start element. In 2019 this Chemical System of the 3D Physical World was extended with the Bionic system, the following extension being with the Neuronic System, but with dimensional extensions too. In 2025 was clarified the rotating tetrahedral structure of the ETHERON, respectively of the ELECTRON as start PHYSICAL ETHERON, inclusive its Light-seed ELBU (Elementary Light-Bubble Unity), and the inner and outer functioning as Light-Matter turning inside out, respectively as higher dimensional Neuronic-Bionic turning outside in, these processes constituting the base of the systemic evolutionary extending of the Standard Model.

Key-expressions: CHEMISTRY, ETHERON, ELECTRON, MATTER, ELBU, LIGHT, rotating tetrahedron, BION, NEURON, turning inside out, turning outside in, STANDARD MODEL.

1. INTRODUCTION

This summarizing is the continuation as second part of the short synthesis presented in [1].

Before the Karlsruhe Congress **3-5 September 1860** the theoretical CHEMISTRY was the privilege of a few scientists of the world, majority in the European countries, but in Russia too, especially in Sankt Petersburg. After the death of John/János Bolyai in February 1860, within the legacy of his father Wolfgang/Farkas Bolyai was discovered a sketch of the that time known chemical elements, as, „insignificant by-product” of his chemistry-teacher activity, which arrived at the hands of Weltzien (removed from Petersburg to Karlsruhe), who initiated this Congress and distributed this sketch finally to Lothar Meyer, Newlands and Mendeleev further developers. The main purpose of the Congress was the correlation of the chemical elements with their known **atomic weights** from the rediscovery (Dalton, 1803) of the ancient ATOM, so the former „**pre-atomic phase**” of the CHEMISTRY evolutionary curve was followed by the „**atomic phase**” between 1860-2025, till the previsible „**etheronic phase**” after 2025 [2,3,4,5].

Within this ATOMIC ERA, a century after the CHEMISTRY’s „birth-date” were discovered the constituents/building blocks of the „indivisible” A-TOM (Gell-Mann, 1964), the **Quarks** and **Gluons**, but in the meantime was experimented the energy-content of the A-TOMIC explosion, exactly in 6 August, the date of the receiving from the Central Sun of the annually light-dose! So, parallel with the **Periodic Table of the Chemical Elements**, was started the **Standard Model**, the table of the „subatomic” elements with its first phase 1964-1970 of the (2x2) matricial elements, evolving in steps of (4x4) - (6x6) - (8x8) matricial forms till 2000 (2), and till 2025 [6] (1), while the **Periodic System** with 118 **terrestrial chemical** elements approved by the IUPAC in 2013 was extended in 2 steps, namely in 2015 from 119 to 558 **cosmic chemical** elements, 2 **standard/pre-elements Quark** and **Gluon**, and the **standard/start element Etheron**, respectively in 2019 with the intercalated 4D **Bion** and **Bionic elements** (3) in form of **Bionic axis** perpendicular to the discoidal plane of the Etheronic Belt of the elements (4), completed now with the intercalated **Neuronic system** constituted by the life-holder elements.

In comparison with the **alternative quaternionic algebra** of the WHOLE PERIODIC SYSTEM, the WHOLE STANDARD MODEL is constituted by the **Tesseract algebra**, in conformity with the Tesla-like connections („thinking in terms of energy, frequency, and vibration”) between the $1 \times 4/3 \times 4/5 \times 4/7 \times 4$ quaternionic frequencies/resonances of the $4+12+20+28=64$ standard elements and the suitable 1D/3D/4D/5D Matter/Light/Bion/Neuron Dimensions (1), the **number 4** being the correspondent of the **4 tetrahedral vertices** of the IOVITZU-like basic Matter-quantum **ETHERON**. This **tetrahedral resonance** constitutes the basis of the existence of all possible cosmic beings, from the most microcosmic to the most macrocosmic level, e.g. Our Galaxy Milky Way with **4** regular arms (the 5th „irregular” arm is the bionic axis perpendicular to the swinging galactic disc), **4** Photon-belt cycles of 7.8 M years the advance between 2 galactic arms, or **4** aminoacids constitute the DNA structure (5), **4**-nuclear physical Black-hole (8), **4** valence electrons of the life-holder neuron elements 6C, 14Si, 32Ge, 50Sn, 65Tb, 82Pb, 97Bk, 114Fl, **4** quaternionic components (3 reciprocal perpendicular interactional and their resultant), and of course the ETHERONIC TETRAHEDRAL structures [7] (11,12).

The well-known classical ATOMIC structure of the chemical elements consists of a **nucleus** formed by an electrical positiv charged **proton** and neutral **neutron**, respectively of a negativ charged **electronic cloud**, the number of the protons being equal with the electrons’ number. The transition to the less-known ETHERONIC structure consists of two kinds arrangements of the nucleus/core and cloud/coating – **nucleonic** and **bionic** – namely the **Nucleonic structure** being formed by **spherical core** and **toroidal coating**, and the **Bionic structure** by **toroidal core** and **spherical coating** [4] (2), as a spherical-toroidal duality (6,7) [11].

After the discovery of the **ROTATING TETRAHEDRON** [43] as geometrical representation of the **ETHERON** (on each Cosmic Level the start ETHERON being the ELECTRON) – as Matter-quantum with the ELBU (Elementary Light-Bubble Unity) Light-quantum/seed inside in form of quasi-dual Tetrahedron – it will be possible to penetrate into its 3D interior, determining its inner structure and functioning, respectively walking around it, we can penetrate into the higher Metaphysical Dimensions, namely inside the Bionic 4D and Neuron 5D, beyond the ETHERONIC structured chemical elements – based on the proposed new TESSERACT ALGEBRA – determining the possible constituting elements’ system of the **Neuronic and Bionic Extended Whole Standard Model** (1).

2. DESCRIPTION

In conformity with the **ETHERONIC THEORY**, the Rotating Tetrahedral geometrical model includes not only the MATTER-quantum Exterior TETRAHEDRON, but the LIGHT-quantum Interior quasi-dual TETRAHEDRON too. Generalizing the TESSERACT discovered by Ch. H. Hinton in 1888 to the lower and higher Dimensions at the initial 4D, we can consider the simple CUBE as 3D Tesseract, which form a DISPHENOID with the above described **ETHERON-TETRAHEDRON**, superposing theirs suitable Edges, named it **3D Tesseract-Disphenoid** (9,13). A total of 8 same **3D Tesseract-Disphenoids** will form the 8 EDGE-CUBES of the BIONIC 4D TESSERACT, so the **Etheron-Tetrahedron** (with its quasi-dual inside) will be the **Edge-cube figure of the 4D Tesseract**. The Dimensional extending to the NEURONIC 5D TESSERACT will be realized with addition of a new exterior cube through diagonals between each 8-8 vertices, and similarly for the possibility to realize the TACHIONIC 6D TESSERACT.

Mathematically this DIMENSIONAL – creasing or increasing – MOTION is described by the **TESSERACT ALGEBRA**, the above mentioned cases refer to the **Integer Dimensions**, the 8 diagonals of the onion-like cubes/tesseracts meeting in the **unic center** of this tesseract-series of **uni-central tesseracts**, but the general case is of the **extra-central tesseracts** referring to the **Fractal Dimensions** (10,13) [8]. Thus every point inside the 4D Tesseract (4DT) belongs to a 3D Tesseract (3DT), the equivalence points on the same spherical surface, but each with different eigenvalues resulted from its position inside the 4D Tesseract. In other words, within the **Tesseract Algebra** every point of the 3D space is characterized by the 8 belonging diagonals (the 8 spinorial Dirac-matrixes, while His 4-componental matrix refers to the Etheron-Tetrahedron’s 4 flat pyramids) of the higher dimensional tesseract/space, starting from the 8 vertexes of the interior 4D Tesseract, of which **vertex-**

cube figures being the suitable **Etheron-tetrahedrons**, inside with the belonging ELBU quasi-dual tetrahedron, the higher dimensions being represented by the exterior cubes, while the **3D Tesseract** only „squeezed out” to the 8 vertices of the 4DT as **vertex-cubes (13)**.

However, much earlier before the higher Dimensional questions of the Neuronic 5D and Bionic 4D, respectively the 3D Matter-Light connections, the studying of the 3D Material aspects of the **Standard Model** were directed towards the strong nuclear, electromagnetic and weak nuclear forces (2), without referring to the Light, as consequence of the „Photonic confusion” [9]! Later arrived in the focus of the attention the Mass question, namely the idea that the „Higgs-boson” confers mass to the all other particles! Referring to the MASS, my conclusion is that the 2 kinds Masses – before and after the turning inside out, similarly to the **Space-Spacetime-Time** system – are the both faces of the **Lightmass – Gravitation – Mattermass** system [7], with extension of this idea to the **Bionmass – Levitation – Neuronmass** system too, functioning after a similar bi-tetrahedral geometry, but with inverse turning outside in order.

The big secret of the ELBU (named by me Elementary Light-Bubble Unity in memory of Le Sage, and by Planck and Dirac simply „Light-quantum”, but by no means the Bose-Einsteinian „Photon”) is its geometrical proportion in comparison with the Etheronic Rotating Tetrahedron, in conformity with the **Dirac’s 4-spinorial equation’s** geometrical interpretation. So, inside the Bisector-tangent radius of the inner sphere r_e (the dual of the outer Etheron-sphere), at its $\frac{3}{4}$ from the common center will be the R_E radius of the ELBU vertex-sphere, considered for this reason „only” quasi-dual sphere. In this way the **4 vertices of the ELBU-sphere** will be the centers of the **4 flat-pyramids** which form the joint Etheron-Tetrahedron, with theirs tops in its center, they thamsel spinning around theirs mass-centers as **spinorial** systemic components.

The other big secret is the **turning inside out of the ELBU-tetrahedron into the ETHERON-Tetrahedron**, the **4 ELBU-vertices transforming into the 4 ETHERON-vertices**, of course with a synchronized turning inside out of the simultaneously created spacetime system (11,12) [7]. Otherwise, this phenomenon takes place in the interior of the Black-holes too (8) [10]. Within the **Whole Standard Model (1)** the turning inside out process takes place in both cases – of the FORMING and BOUND **ETHERONS** – from the smaller interior to the bigger exterior Tetrahedrons, namely from the Light-Leptons to the Matter-Leptons, respectively from the $\frac{1}{3}$ Quarks to the $\frac{2}{3}$ Quarks, while by the BIONIC and NEURONIC **ETHERONS** this process is inverse, but with a Möbius-band-like **spinorial** whole evolution, the order being marked in (1).

The third big secret of the **Whole Standard Model** is its **matricial macrostructure** as result of the systemic summing of the component **microstructural matrices**, starting with the 1D first discovered **quark unity-matrix**, but each element – as **ETHERON** – being an unity-matrix of the chessboard-like **8x8 Standard-matrix**, the whole matricial system is presented as a dimensional increasing crystal (1), in vertical direction increasing in the order **Matter-Light-Bion-Neuron** – with the above mentioned turning inside out (and of course turning outside in) mechanism, and in horizontal direction differentiated in function of the presence or absence of the 3D TESSERACT joint to the ETHERON-TETRAHEDRON (of course with its quasi-dual ELBU-TETRAHEDRON inside), in form of BOUND STATE – FERMIONS with half spin and FREE STATE – BOSONS with 1 integer spin, each STATE differentiated after the 3 concentric – vertical, edge- and bisector-tangential radial – spheres, respectively the last 2 positions referring to the so far unknown elements of the DJED and TJET secondary trajectories of the **Etheronic-Belt** of the Physical Cosmic Level, based on the similarity with the **Photon-Belt** with its secondary DJED and TJET Belts on Astral-Galactic Level, in conformity with the tri-elliptic Iovitzu-Ionescu-Joo cosmic evolutionary model (3,9) [12,13]. In every case, the matricial increasing follows this bidirectional way, in the last time intensifying the researches of the ARTIFICIAL INTELLIGENCE (AI), the source of the life-holder elements (3,4) [1,12], forming the **NEURONIC SYSTEM**, organic connected to the **Whole Periodic System**, and in between to the **Bionic System**, all elements of the **Group IV. A. Transitional Metals** constituting the seats of this System in System with unequal distribution, only 8 of the 118 terrestrial 3D ones from the total of 38 elements of the 558 ones (3,4) [14,15], in conformity with the following table:

STEP – NUMBER „Z” & SYMBOL – BIONIC ELEMENT

| | | | | | | | | |
|-----|-------------|--------------|------------|------------|------------|------------|------------|--------|
| 2/1 | 6C | B2 | | | | | | |
| 2/2 | 14Si | B3 | | | | | | |
| 3/1 | 32Ge | B4 | | | | | | |
| 3/2 | 50Sn | B5 | | | | | | |
| 4/1 | 65Tb | 82Pb | B6 | | | | | |
| 4/2 | 97Bk | 114Fl | B7 | | | | | |
| 5/1 | 129 | 146 | 164 | B8 | | | | |
| 5/2 | 179 | 196 | 214 | B9 | | | | |
| 6/1 | 229 | 246 | 261 | 268 | 286 | B10 | | |
| 6/2 | 301 | 318 | 333 | 340 | 358 | B11 | | |
| 7/1 | 373 | 387 | 402 | 409 | 427 | 442 | 456 | B12 |
| 7/2 | 471 | 485 | 500 | 507 | 525 | 540 | 554 | B13=B1 |

Within the Spiral-Discoidal presentation of the **Extended Whole Periodic System (4)** both coexistent systems appear in form of one another perpendicular axes, namely the **Bionic System** as central discoidal axis perpendicular to the spiral-discoidal plane of the chemical elements, while the **Neuronic System** as planar radial axis superposed on the IV. A. AXIS (4). These two one another perpendicular axes determine the **rotating toroidal cosmic evolutionary process** in form of an enormous gyroscope-like mechanism (5,6), and within it the **Horn-toroidal/conic-toroidal evolutionary transitional phase (7)** from the **pentatonic** (discoidal, helical and Icosa-Dodeca-Octa-Hexa-Tetra ring-toroidal) to the **octavic** (Tachionic, Noethic, Etheric, Physical, Astral, Universal and Multiversal) cosmic evolutionary level-series.

Within the **octavic cosmic evolutionary levels** as elliptic **Light-planes** are intercalated the Dandelin-spheres as **Black-holes**, but differentiated nuclear structured, from the mononuclear to the 13-nuclear, from which 12 peripheral and 1 central, as the Universes of the Multiverse, in accord with the structure of the **Bionic** and **Nucleonic** Systems (8). The **Physical World** really is guided by the 4-nuclear/4-componental Super-cluster system Milky-Way, Andromeda, Triangulum and Great Attractor, each with the **possibility to turn inside out** alone or in turn.

Returning to the detailings, the main question of the actual turning point within the terrestrial evolution is the exceeding of the 3 Dimensional thinking, the penetrating into the higher 4D and 5D Metaphysical Dimensions, at the very least on Physical Level, creating in this way the possibility to access at least into the Etheric-Astral World, for the survival of the humanity. For this goal, one of the simplest methods is the creation of the adequate mathematical framework through the generalization of the TESSERACT discovered in 1888, but less known up to now. Adopting the ETHERONIC THINKING, **considering the 3D World not only apart, but all time being a part of the cosmic higher Dimensional World**, namely the ETHERONIC TETRAHEDRON as disphenoid figure of the 3D TESSERACT, with 8 of such 3D Tesseracts it's possible to realize a 4D TESSERACT, and to extend it outward to a 5D Tesseract (11,13).

Contrary to the atomic structure, within the ETHERONIC STRUCTURE take part the **Bionic** and **Neuronic** elements too, **connecting the core and coating of the chemical elements**, but there are invisible for a 3D being, being 4D and 5D entities. So, each element really is Hoogsten-like quadruplex structured (5,10), alike the apparently double-helical DNA, moving mill-like the inner and outer 3D Etheronic complexes (14,15), with alternating intensity of these 2 drivers, in conformity with their alternate positions, the **4D Bionic** drivers at the row-ends in the long/chessboard table or along the Etheronic belt (3), respectively the **5D Neuronic** drivers joint to the life-holder elements intercalated between them. The 3D Etheronic components being present in form of **3D Tesseracts (13)**, the whole structure of the chemical elements consists by **inner and outer 3D Tesseract components** connected by 4D and 5D Tesseracts, the basic Etheron-Tetrahedron being present in 3D form, respectively as

vertex-component inside the 3D-4D Tesseracts. This new vision needs a new understanding in our worldview.

3. CONCLUSIONS

It seems to be a correlation between the publication of the **PERIODIC TABLE** variants (Lothar Meyer 1864, Newlands 1864, Mendeleev 1869) and Howard Hinton's **TESSERACT** (1888), similarly to the elaboration of the **Whole Periodic System** (2015), **Bionic Extended Whole Periodic System** (2019), and **Neuronic and Bionic Extended Whole Standard Model** with the **Tesseract Algebra** (2025). The **Chemical, Bionic** and **Neuronic** Systems form a unified **Quaternionic System** of which resultant will be the recent elaborated **ETHERONIC SYSTEM**.

Together with the clarifying of the old-established scientific questions, it will be necessary to extend our knowledge for the exceeding of the dimensional, gravitational and other limitations. So, first of all it's time to correct finally the „**Photonic Error**” initiated by Bose, but espoused and acquired by Einstein, his importunity being solved with a subtle/intelligent recognition, but with very disadvantageous consequences in our worldview, already more at a century ago. The another error referring to the GRAVITATION, namely the publishing (after the **vectorial gravific equation of Newton** in 1687) in 1915 of the well-known **tensorial gravific equation** without the absolutely necessary mathematical-physical foundation, completed in 2005 [16]! His superfluous effort till 1955 to elaborate a comprehensive theory, was substituted really by Dirac in 1928, publishing His **spinorial gravific equation**, interpretable in the Etheronic view.

The Dimension and velocity/speed of Light are strong connected. After the clarifying of the real identity of the GRAVITATION and of the LIGHT – without to confound and to change each another! – in DIMENSIONAL context the Light-speed – really the rotating velocity of the ELBU as Light-particle/Luxon – earlier was considered a **border** between the subluminal/Tardionic World and supraluminal/Tachionic World, corresponding to the actual definitions of 3D LIGHT-MATTER, respectively 4D-5D BIONIC-NEURONIC WORLD. So, the Light-speed in reality is the **superior limit** of the velocity inside the 3D MATERIAL WORLD, but inside the higher Worlds is the **inferior limit!** In this context is incorrect Einstein's assertion cited by G. Feinberg [9] from A. Einstein, Ann. Physik 17, 891 (1915): „...velocities greater than that of light...have no possibility to existence.” Of course, the QUANTA of each World – ETHERON and ELBU in 3D, BION in 4D, NEURON in 5D – exist simultaneously, but detectable usually only for the own beings of a certain Dimension, or from the higher to the lower Dimensions, mentioning that each being is born with a certain Dimensional capacity, with possibility to increase or decrease it on the course of the more or less reincarnations, according to our life-vision [17].

4. REFERENCES

- [1] D. Joo: **Etheronic Structured Chemistry of the Physical World – ETHERONICS**, International Journal of Advanced Research in Chemical Science (IJARCS). 2024; 11(1): 37-54. DOI: <https://doi.org/10.20431/2349-0403.1101004>.
- [2] I.-I. Popescu: **Ether and Etherons – A Possible Reappraisal of the Concept of Ether**, Studii si Cercetari Fizice, Vol. 34, No. 5, 1982 (RO). For English translation: I.-I. Popescu: **Ether and Etherons – Contemporary Literature Press**, The University of Bucharest, 2015.
- [3] I.-I. Popescu: **O ipoteza asupra cuantificarii Universului – Etheronul**, in: A. Botez: Privire filozofica asupra rationalitatii stiintei, Academia R.S.R., 1983.
- [4] D. Joo: **Etheronic Start of the Nucleonic and Bionic Structured Elements**, IJISSET – International Journal of Innovative Science, Engineering&Technology, Vol. 7, No. 5, May 2020.
- [5] D. Joo: **Etheronic Structure Instead of the Atomic One, Transition from the Atomic to the Etheronic Era**, IJISSET, Vol. 10, Issue 09, September 2023.
- [6] D. Joo: **Inside the Electron as Physical Etheron**. Open Access Journal of Chemistry. 2025; 7(2): 46-61.
- [7] D. Joo: **The Etheron Is a Rotating Tetrahedron: Geometrical Foundation of the Etheronics**. Open Access Journal of Chemistry. 2025; 7(2): 22-45.
- [8] F. Hausdorff: **Dimension und äußeres Maß**, Mathematische Annalen, Volume 79, pages 157-179, (1918).
- [9] G. Feinberg: **Possibility of Faster-Than-Light Particles**, Physical Review, Volume 159, Number 5, 25 July 1967.
- [10] D. Joo: **Black Holes – Wormholes – White Holes**. Open Access Journal of Chemistry. 2025; 7(1): 45-60.

- [11] D. Joo: **Cosmic Evolution – Another Approach: Spherical-Toroidal Dynamic Duality in Higher Dimensions**, IJSET, Vol. 7, No. 8, 2020.
- [12] D. Joo: **Cosmic Architectural Features of the Photon-belt, Djed-belt and Tjet-belt within the Iovitzu-Ionescu-Joo Model**, IJSET, Vol. 11, Issue 10, October 2024.
- [13] D. Joo: **DJED – The Almighty Cosmic Dinergic Energy**, IJSET, Vol. 7, Issue 12, December 2020.
- [14] D. Joo: **Sketch of the Cosmic Architecture (The Whole Periodic System)**, 2nd World Chemistry Conference 8-10 August 2016 Toronto, Canada; denesjoo.wordpress.com, 2015.
- [15] D. Joo: **Bion – the Life-Particle Pattern (Beyond the Whole Periodic System)**, Poster Presentation Nr. 628/1410 – Session CT7 – IUPAC 2019 Congress 10-12 July 2019 Paris, France; Nessa Publishers Journal of Physics, Volume 1, Issue 27, 2019.
- [16] N. Ionescu-Pallas, I.-I. Popescu, R.-E. Nistor: **Reconstruction of Einstein’s Works on November 1915, Regarding the Gravitational Field Equations and the Prediction of the Gravitational Tests**, Analele Stiintifice ale Universitatii „A.I.Cuza” din Iasi, Tomul LI-LII, Fizica Starii Condensate, 2005-2006.
- [17] D. Joo: **Life-Vision in Dürer’s Masterpiece „Melencolia I”**, 2nd International Conference on Biochemistry 2017 Conference UAE, Dubai, 28-29 September 2017; Nessa Publishers Journal of Chemical Engineering Volume 1, Issue 3, 22nd March 2018.

5. FIGURES

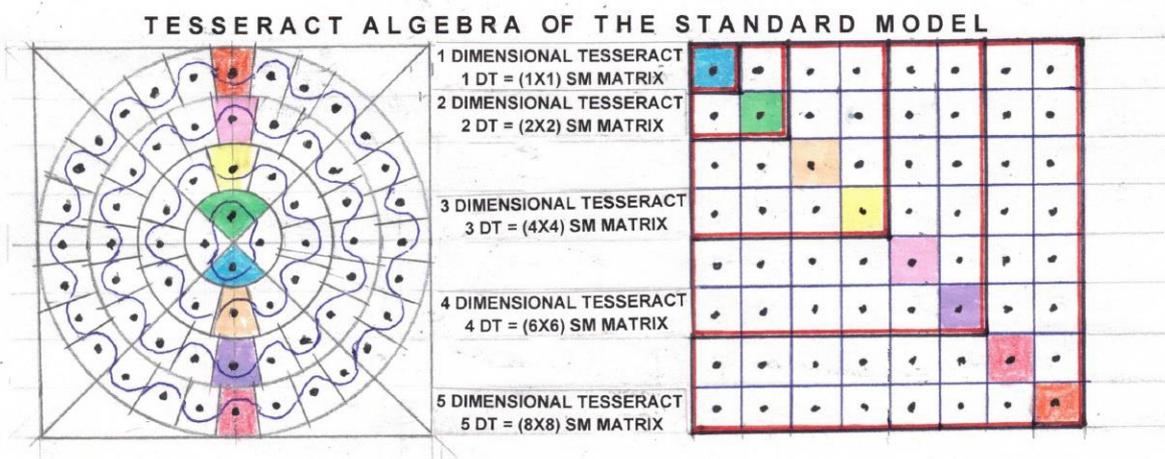
- 1) – Nucleonic and Bionic Extended Whole Standard Model (8x8)
- 2) – Initial Standard Model, Structures and Eras
- 3) – Detailing of the Physical Cosmic Evolutionary Level
- 4) – Stepped Table and Spiral Table
- 5) – Galactic Evolutionary Phases
- 6) – Toroidal-Spherical Cosmic Evolution
- 7) – Conic-Toroidal Cosmic Evolutionary Model
- 8) – Detailing of the Dandelin-Spheres Mechanism
- 9) – Detailing of the Subphysical and Physical Levels
- 10) – Photon-Belt, Ecliptic, Tesseract – Northern Hemisphere
- 11) – Sketch of the ETHERON and ELBU Tetrahedrons
- 12) – Main Data of the ETHERON and ELBU Tetrahedrons
- 13) – 3D TESSERACT with Tetrahedral Disphenoid
- 14) – Tetrahedral Intersections as Etheronic Products
- 15) – Tetrahedral Arrangements of the Particles.

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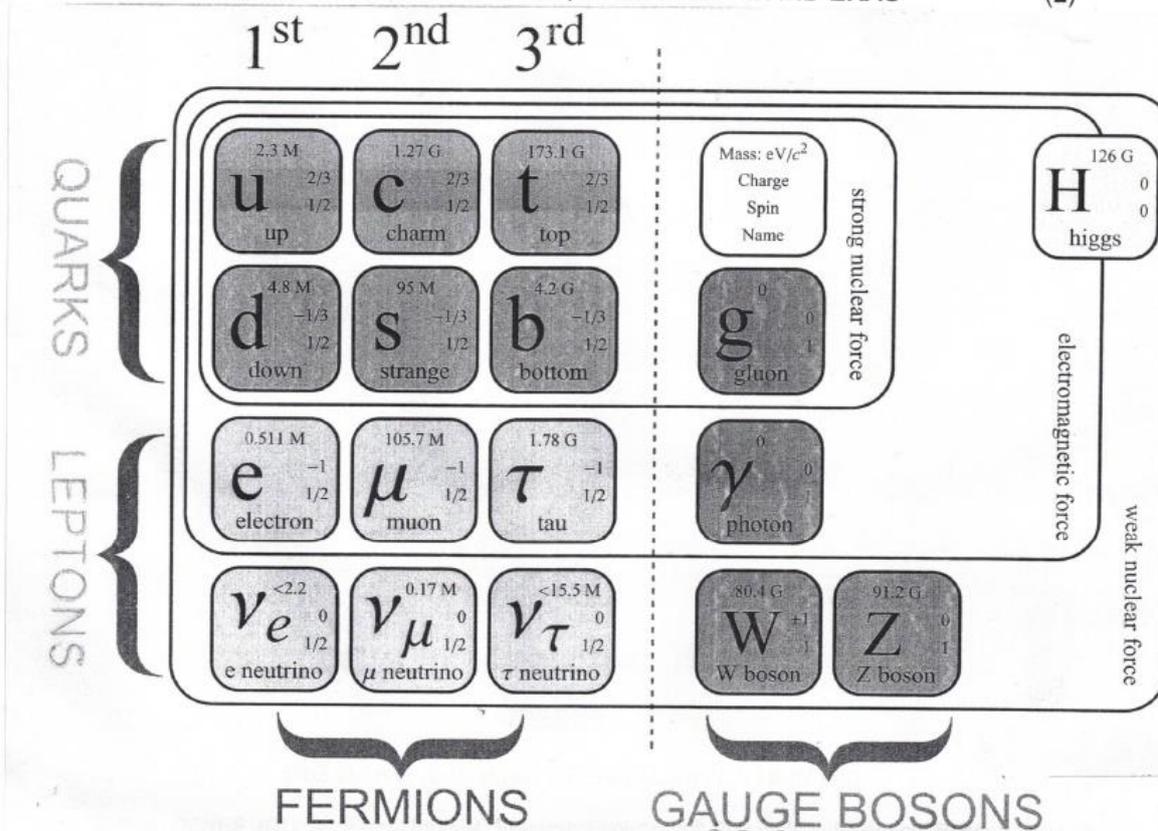
NEURONIC AND BIONIC EXTENDED WHOLE STANDARD MODEL (8x8) (1)

| | | BOUND STATE – FERMIONS (HALF SPIN) | | | FREE STATE – BOSONS (INTEGER SPIN) | | | SECONDARY STATE | |
|-------------|---|--|---|---|------------------------------------|-------------------------------|----------------------------|-----------------|----------------|
| | | RVERTEX | FEDGE | FBISECTOR | RVERTEX | FEDGE | FBISECTOR | DJED | TJET |
| M A T T E R | BOUND ETHERONS TURNING OUTSIDE IN 1-THIRD QUARKS 2-THIRD QUARKS | 2.2 MeV 1/2 u up | 1.3 GeV 1/2 c charm | 173 GeV 1/2 t top | 80.4 GeV 1 W W boson | 91.2 GeV 1 Z Z boson | 125 GeV 0 H Higgs | Q _D | Q _T |
| | FORMING ETHERONS TURNING INSIDE OUT MATTER-LEPTONS | 4.7 MeV 1/2 d down | 96 MeV 1/2 s strange | 4.2 GeV 1/2 b bottom | g ₁ gluon | g ₂ gluon | g ₃ gluon | G _D | G _T |
| | L I G H T | 0.511 MeV -1 e electron | 106 MeV -1 μ muon | 1.777 GeV -1 τ tau | γ ₁ photon | γ ₂ photon | γ ₃ photon | P _D | P _T |
| | L I G H T – ELBUS FREE ELBUS L I G H T | < 1.0 eV 0 ν _e electron neutrino | < 0.17 eV 0 ν _μ muon neutrino | < 18.2 MeV 0 ν _τ tau neutrino | L ₁ ELBU | L ₂ ELBU | L ₃ ELBU | L _D | L _T |
| B I O N | RISING PHASE DISPHENOID TETRAHEDRON POLAR DISPOSITION | B ₁ | B ₂ | B ₃ | B ₉ | B ₈ | B ₇ | B _D | B _T |
| | EQUATORIAL DISPOSITION FALLING PHASE B I O N | B ₁₂ | B ₁₄ | B ₁₀ | B ₄ | B ₅ | B ₆ | O _D | O _T |
| N E U R O N | RISING PHASE DISPHENOID TETRAHEDRON POLAR DISPOSITION | N ₁₂ | N ₁₁ | N ₁₀ | N ₄ | N ₅ | N ₆ | N _D | N _T |
| | EQUATORIAL DISPOSITION FALLING PHASE N E U R O N | N ₄ | N ₂ | N ₃ | N ₉ | N ₈ | N ₇ | I _D | I _T |

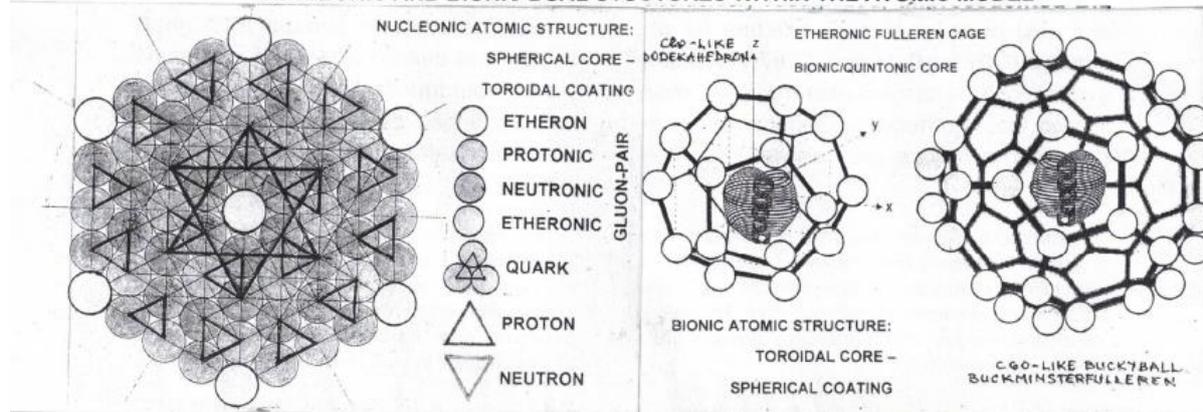


INITIAL STANDARD MODEL, STRUCTURES AND ERAS

(2)



NUCLEONIC AND BIONIC DUAL STRUCTURES WITHIN THE ATOMIC MODEL



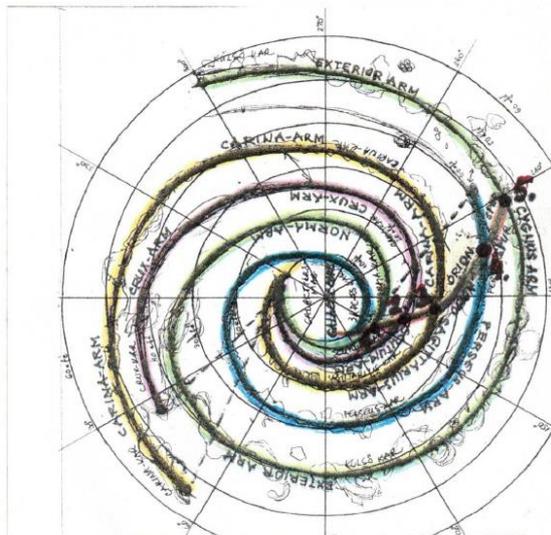
(ALTOGETHER SUPRAMOLECULAR STRUCTURAL SIMILARITY)

| COSMIC ERAS | COSMIC OCTAVIC LEVELS/NOTES | TOTAL DURATION TERRESTRIAL YEARS | ROTATION PERIOD TERRESTRIAL YEARS |
|--------------------------------------|-----------------------------|----------------------------------|-----------------------------------|
| AEON | MULTIVERSAL | 311,040,000,000,000 | 10,905,356,406 |
| KAIROS | UNIVERSAL | 44,434,285,710,000 | 1,557,908,058 |
| KRONOS | GALACTIC/ASTRAL | 6,347,755,102,000 | 222,558,294 |
| HEMERA | ATOMIC-SUBATOMIC | 906,422,157,400 | 31,794,042 |
| HORA | ETHERIC-SENSITIVE | 129,546,022,500 | 4,540,006 |
| COSMIN | NOETHIC-CONSCIOUS | 18,506,574,640 | 648,858 |
| COSSEC | TACHIONIC | 2,643,796,377 | 92,694 |
| TOTAL COSMIC OCTAVIC/NUCLEONIC PHASE | | 362,879,159,362,917 | 12,723,098,358 |

GALACTIC EVOLUTIONARY PHASES

(5)

1 – STRUCTURE OF THE MILKY-WAY GALAXY AND THE POLE-SHIFTS



Crossings Orion Arm – four regular arms:

1. Norma; 2. Scutum/Crux; 3. Sagittarius/Carina;
4. Perseus; 5. Norma/Exterior/Cygnus (next).

JORDAN, P.: THE EXPANDING EARTH, 1971

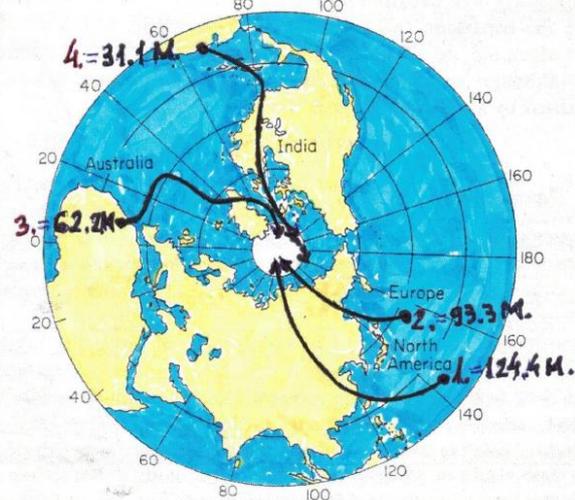
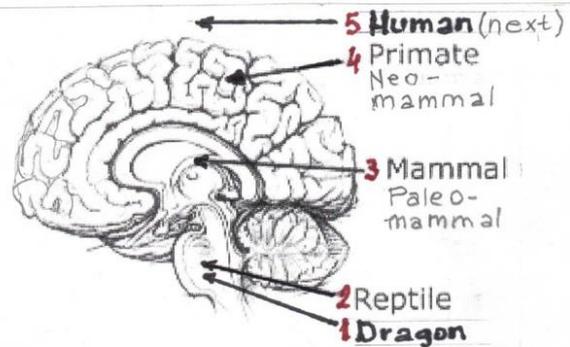
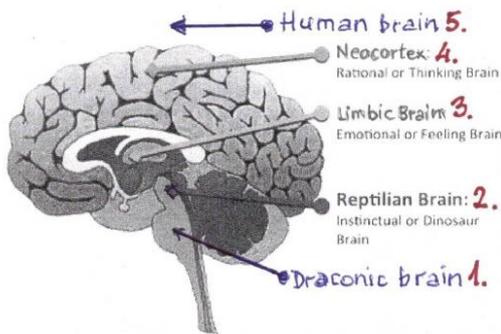


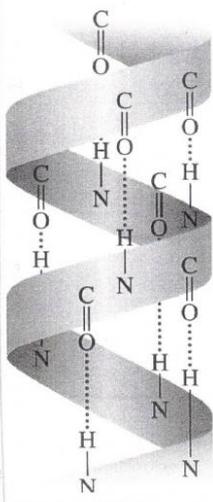
Fig. 30. Unsuccessful attempts to explain palaeomagnetic data by means of the pole-wandering hypothesis (after Heezen).

2 – LONG-DATED EVOLUTION OF THE BRAIN-STRUCTURE

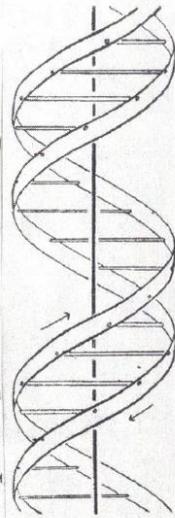
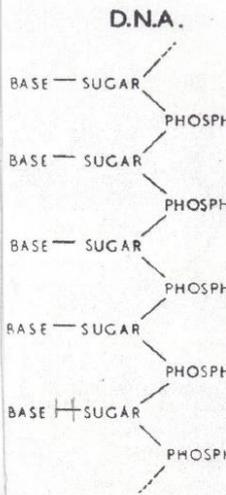


3 – EVOLUTION OF THE HELICAL STRUCTURAL COMPLEXITY

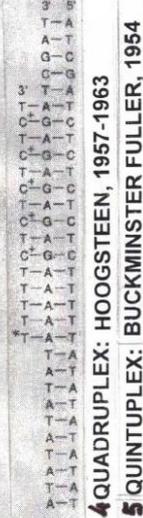
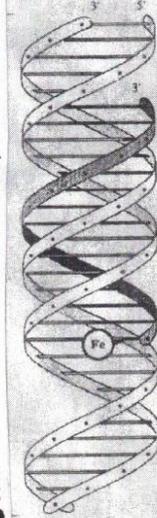
1 ALPHA HELIX: PAULING-COREY-BRANSON, 1951

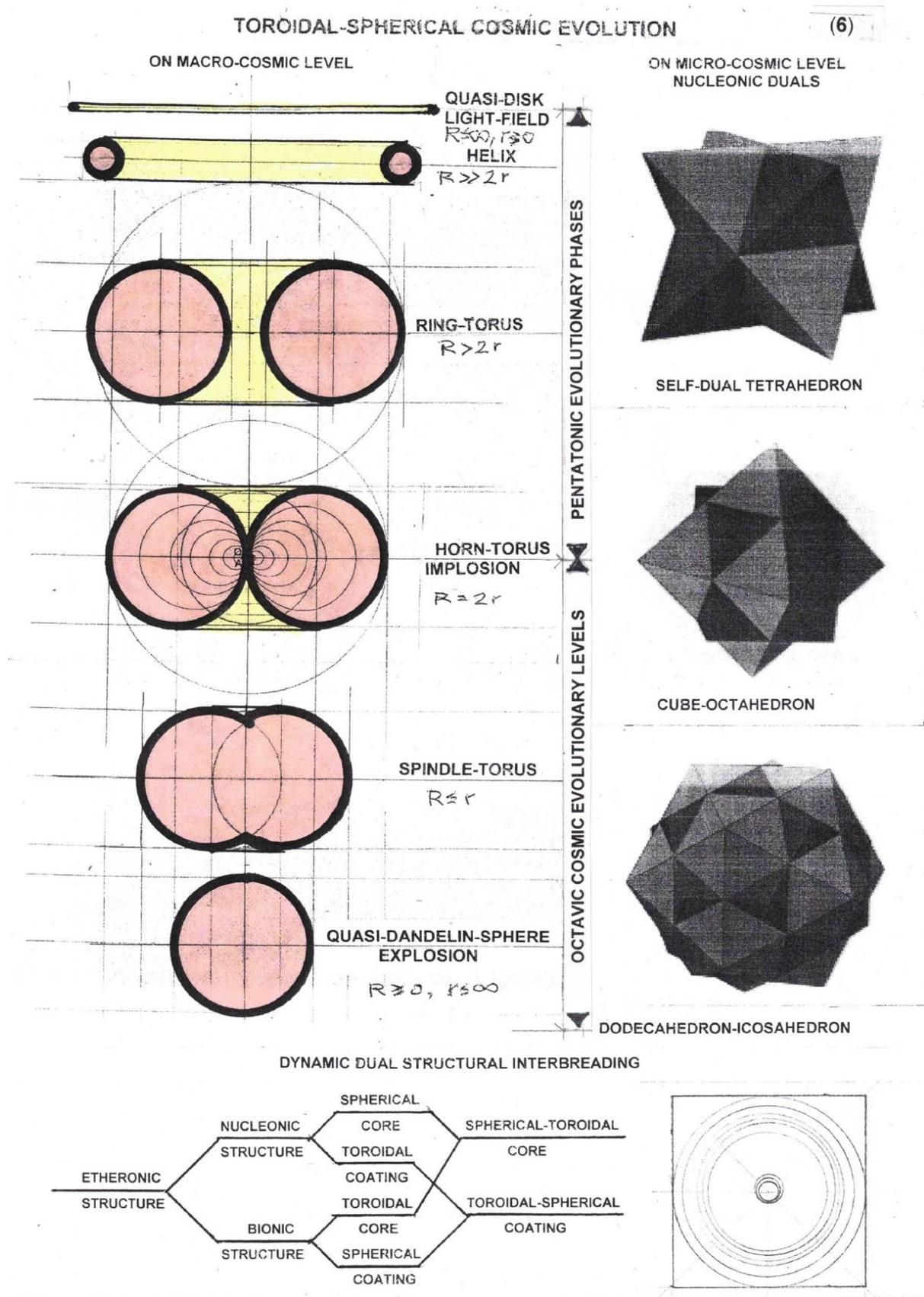


2 DOUBLE HELIX: WATSON-CRICK, 1953



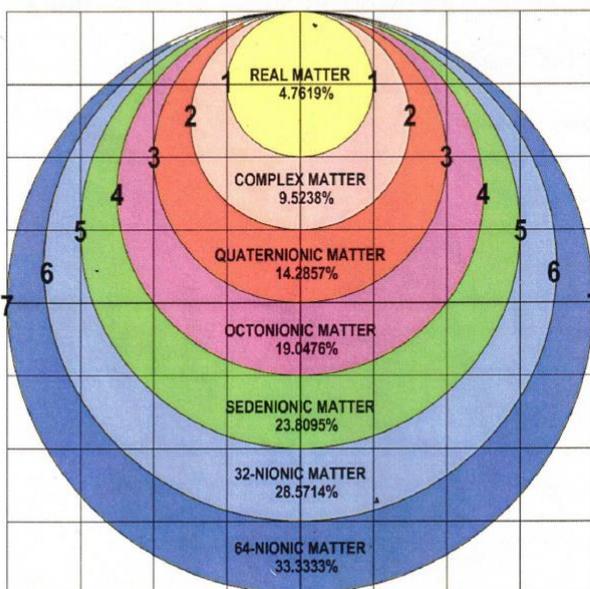
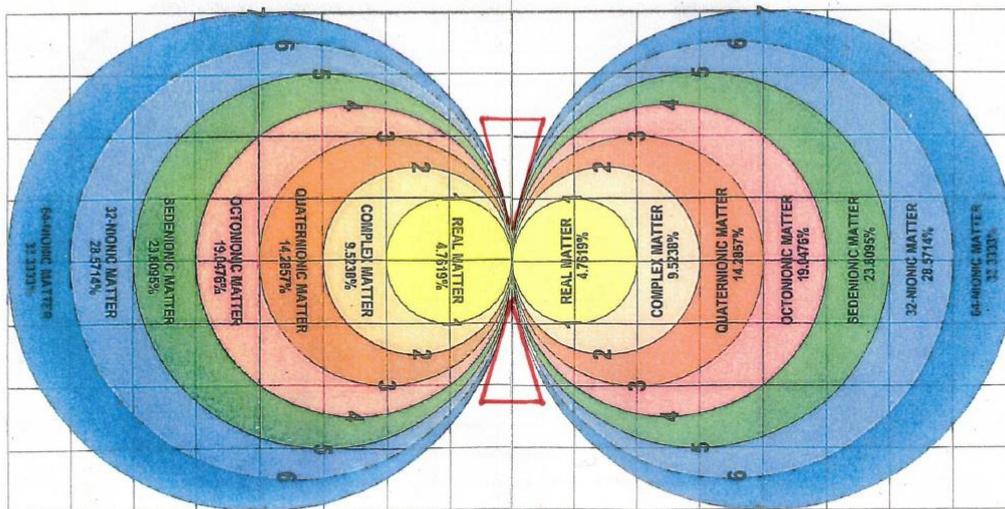
3 TRIPLE HELIX: PAULING-COREY, 1953



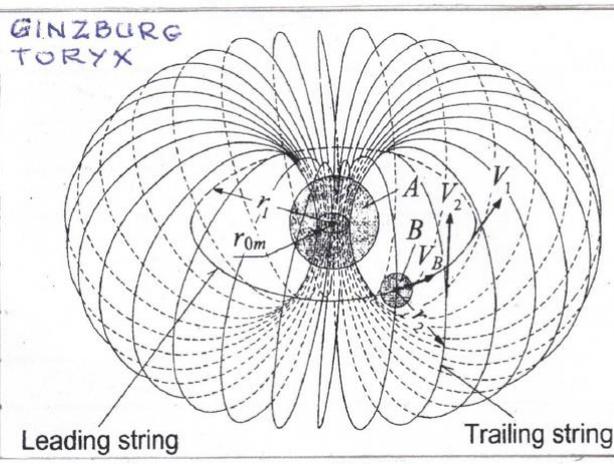
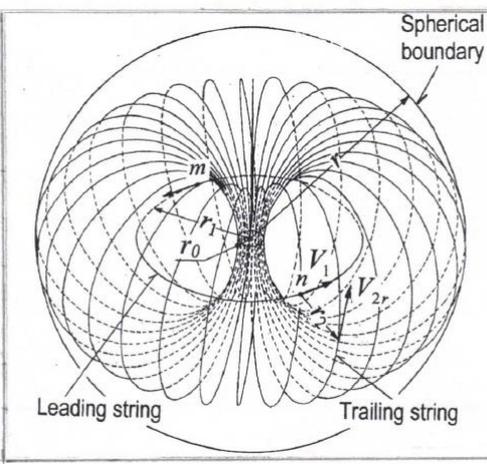


CONIC-TOROIDAL COSMIC EVOLUTIONARY MODEL

(7)



| 2^n =N | MATTER KIND | COMPLEX MEAN | ORDER COMPL MEAN | MATTER % |
|--------------|---------------|--------------|------------------|----------|
| 2^0 =1 | REAL | 1/21 | 1/21 | 4.7619 |
| 2^1 =2 | COMPLEX | 1/10.5 | 2/21 | 9.5238 |
| 2^2 =4 | QUATER-NIONIC | 1/7 | 3/21 | 14.2857 |
| 2^3 =8 | OCTO-NIONIC | 1/5.25 | 4/21 | 19.0476 |
| 2^4 =16 | SEDE-NIONIC | 1/4.2 | 5/21 | 23.8095 |
| 2^5 =32 | 32-NIONIC | 1/3.5 | 6/21 | 28.5714 |
| 2^6 =64 | 64-NIONIC | 1/3 | 7/21 | 33.3333 |



DETAILING OF THE DANDELIN-SPHERES' MECHANISM

(8)

$S = \frac{p_2 F_1 - p_1 F_2 + 2 p_1 p_2 n}{p_2 - p_1}$

THE DANDELIN-SPHERES ARE GLOBAL BLACK HOLES OF THE COSMIC LEVELS.

| | | |
|--------------------------|--------------------------|---|
| ① | TACHIONIC BLACK HOLE | MONONUCLEAR CENTRAL |
| ② | NOETHIC BLACK HOLE | BINUCLEAR ACENTRAL |
| ③ | ETHERIC BLACK HOLE | TRINUCLEAR ACENTRAL |
| PHYSICAL COSMIC LEVEL | | |
| ④ | COMPONENTIAL BLACK HOLE | DANDELIN-CIRCLE WHITE HOLES |
| | | COMPONENT MILKY-WAY SUPER-2. ANDROMEDA CLUSTER 3. TRIANGULUM SYSTEMS 4. GREAT ATTRACTOR |
| ASTRAL COSMIC LEVEL | | |
| ⑤ | ASTRAL BLACK HOLE | DANDELIN-CIRCLE WHITE HOLE SERIES |
| | | DITETRAHEDRAL ARRANGEMENT FACE-TO-FACE ACENTRAL |
| UNIVERSAL COSMIC LEVEL | | |
| ⑧ | COMPONENTIAL BLACK HOLE | DANDELIN-CIRCLE WHITE HOLE SERIES |
| | | HEXAHEDRAL/CUBIC ARRANGEMENT ACENTRAL |
| MULTIVERSAL COSMIC LEVEL | | |
| ⑬ | COMPONENTIAL BLACK HOLE: | 1-CENTRAL 12-OUTER |
| | | DANDELIN-CIRCLE WHITE HOLE SERIES |

DANDELIN SPHERES IN THE CONE

THE WHITE HOLES ARE:

- FOCAL: BOTH FOCUSES,
- CIRCULAR: ALONG THE DANDELIN CIRCLES.

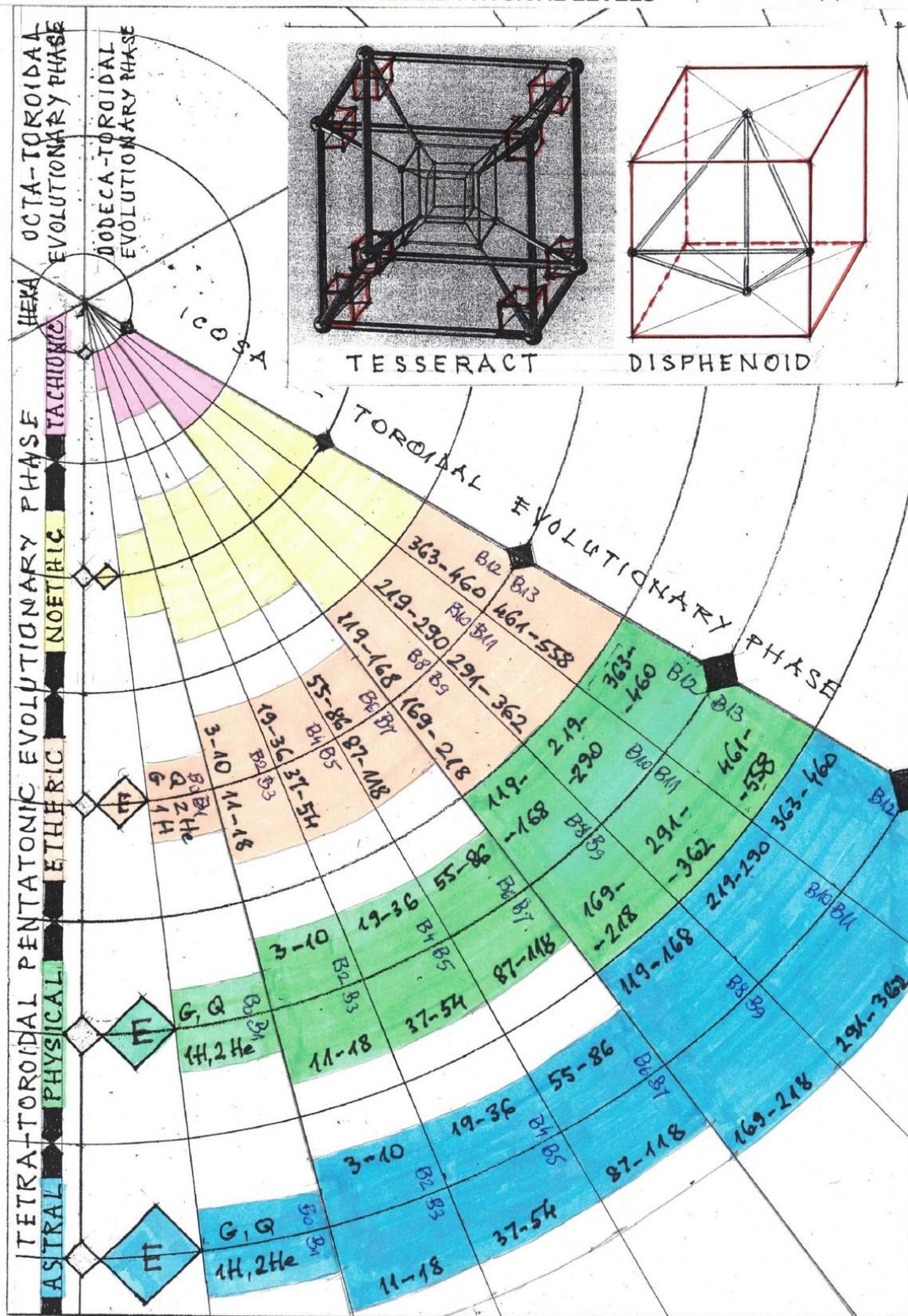
THE WORMHOLES ARE TUNNELS BETWEEN THE CENTERS OF THE BLACK HOLES AND WHITE HOLES

- FOCAL DIAMETRAL F1-CENTER-F2
- 558 "CHEMICAL" + 12 "BIONIC" = 570 ELEMENTS ALONG EACH COSMIC LEVEL'S DANDELIN-CIRCLE.

SINGULARITY SPACETIME REVERSAL POINT.

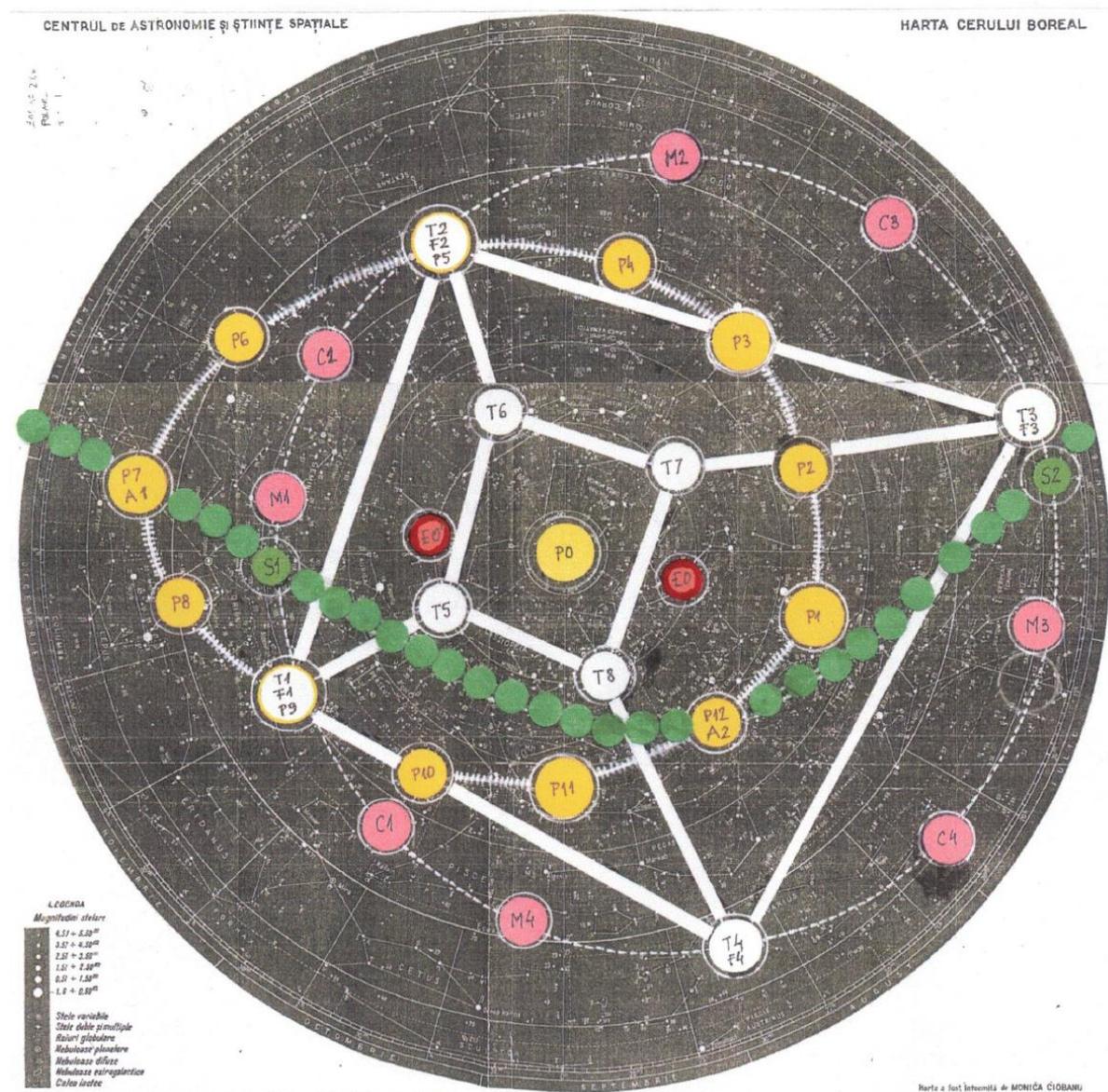
DETAILING OF THE SUBPHYSICAL AND PHYSICAL LEVELS

(9)



PHOTON-BELT, ECLIPTIC, TESSERACT – NORTHERN HEMISPHERE

(10)

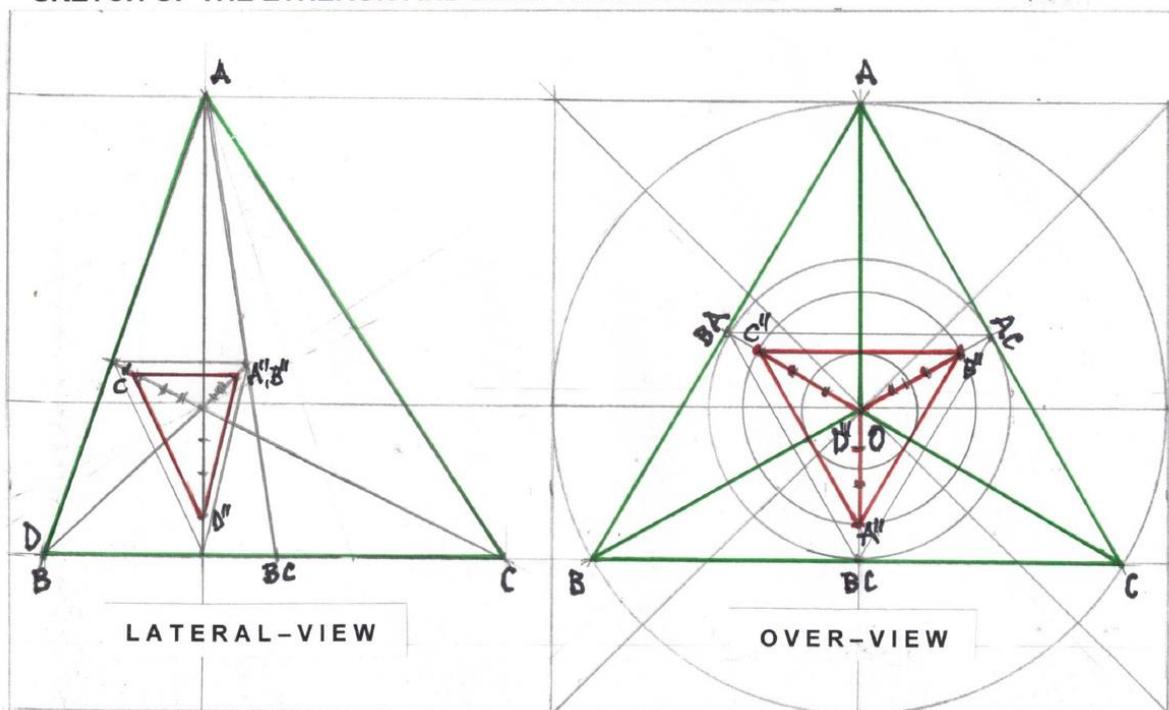


TESSERACT WITHIN THE PHOTON-BELT – ECLIPTIC COSMIC STRUCTURE

- TESSERACT - Exterior:** (T1) Taurus, (T2) Leo, (T3) Scorpius, (T4) Aquarius,
 -- Interior: (T5) Camelo Pardalis, (T6) Ursa Major, (T7) Draco, (T8) Cepheus.
- ZODIACAL SIGNS – Cardinal:** (C1) Aries, (C2) Cancer, (C3) Libra, (C4) Capricorn,
 Fixed: (F1) Taurus, (F2) Leo, (F3) Scorpius, (F4) Aquarius,
 Mutable: (M1) Gemini, (M2) Virgo, (M3) Sagittarius, (M4) Pisces.
- PHOTON-BELT – Coñstellations/Loadstars:** (P1) Lyra/Vega, (P2) Hercules/Rassalgethi,
 (P3) Bootes/Arcturus, (P4) Coma Berenices/Alfa,
 (with the Galactic North-Pole),
 (P5) Leo/Regulus, (P6) Monoceros/Alfa,
 (P7) Canis Major/Sirius, (P8) Orion/Betelgeuse,
 (P9) Taurus/Aldebaran, (P10) Triangulum/Alfa,
 (P11) Andromeda/Sirrah, (P12) Cygnus/Deneb.
- ORION-ARM – Constellations/Loadstars:** (A1) Canis Major/Sirius, (A2) Cygnus/Deneb,
 Stargates: (S1) Orion, (S2) Ophiucus.
- ECLIPTIC NORTH-POLE:** (E0) „Cat’s Eye”/NGC 6543 – Draco, (E0’) Alfa – Camelo Pardalis.
CELESTIAL NORTH-POLE: (P0) Polaris – Alfa Ursa Minor.

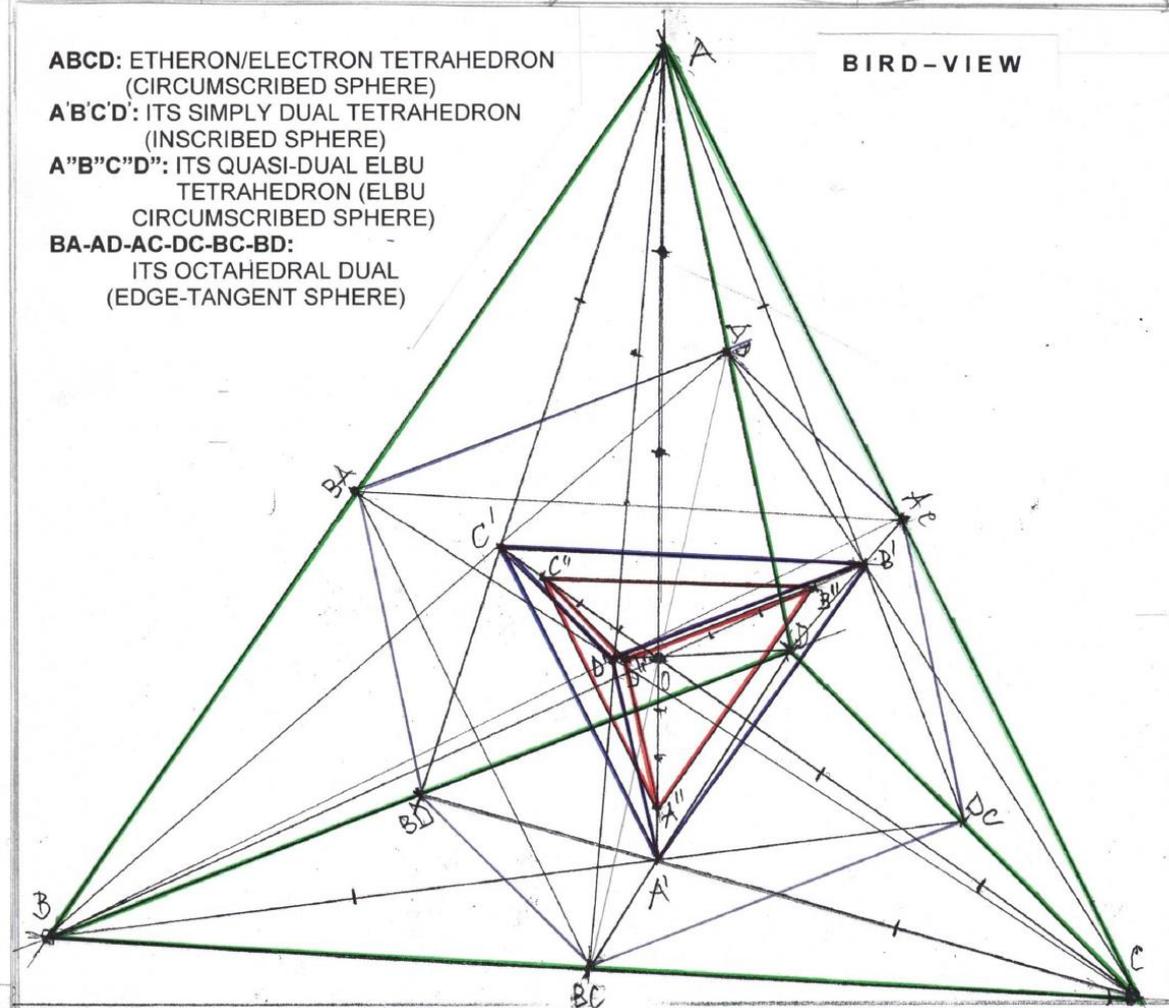
SKETCH OF THE ETHERON AND ELBU TETRAHEDRONS

(11)



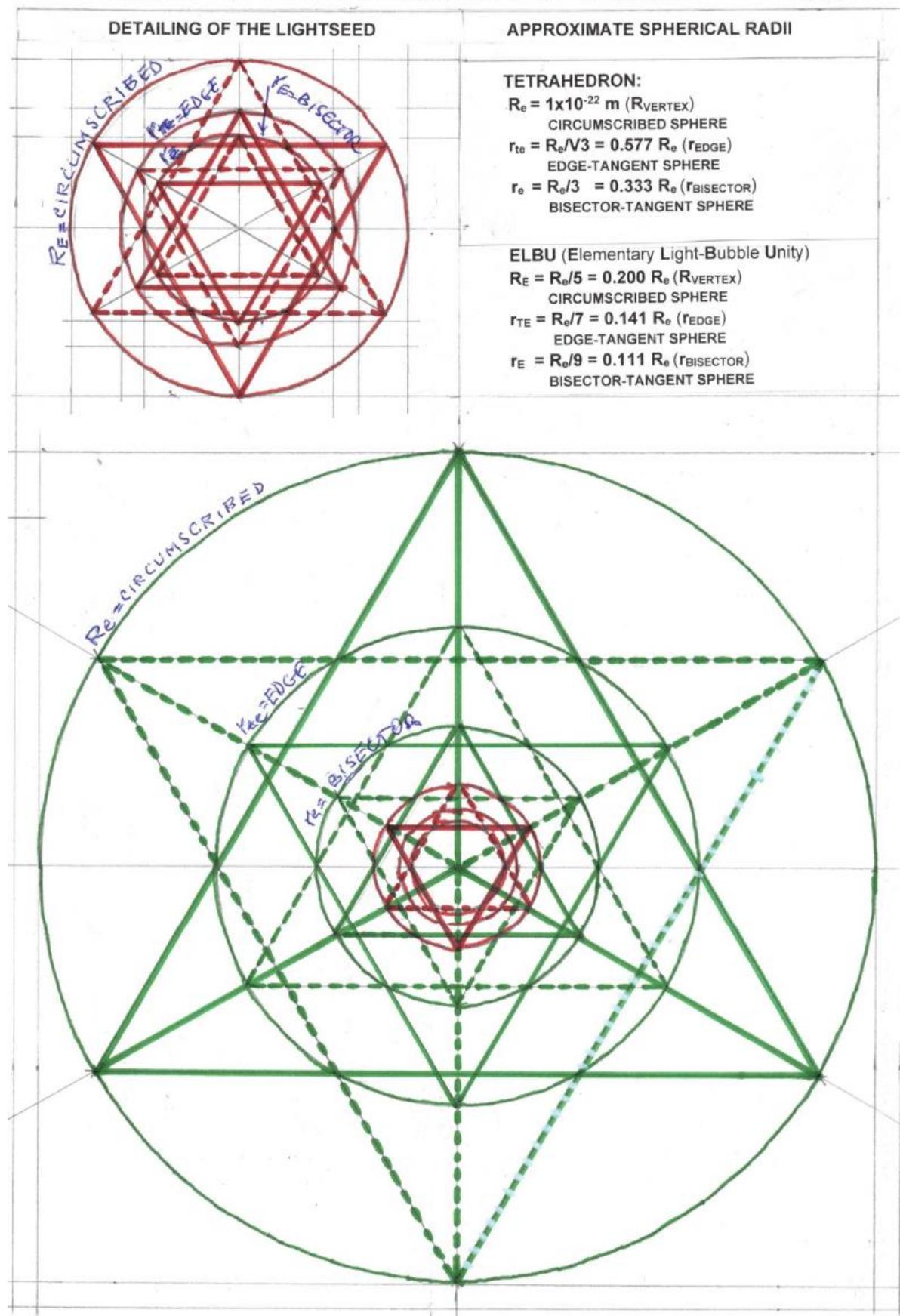
- ABCD:** ETHERON/ELECTRON TETRAHEDRON
(CIRCUMSCRIBED SPHERE)
- A'B'C'D':** ITS SIMPLY DUAL TETRAHEDRON
(INSCRIBED SPHERE)
- A''B''C''D'':** ITS QUASI-DUAL ELBU
TETRAHEDRON (ELBU
CIRCUMSCRIBED SPHERE)
- BA-AD-AC-DC-BC-BD:**
ITS OCTAHEDRAL DUAL
(EDGE-TANGENT SPHERE)

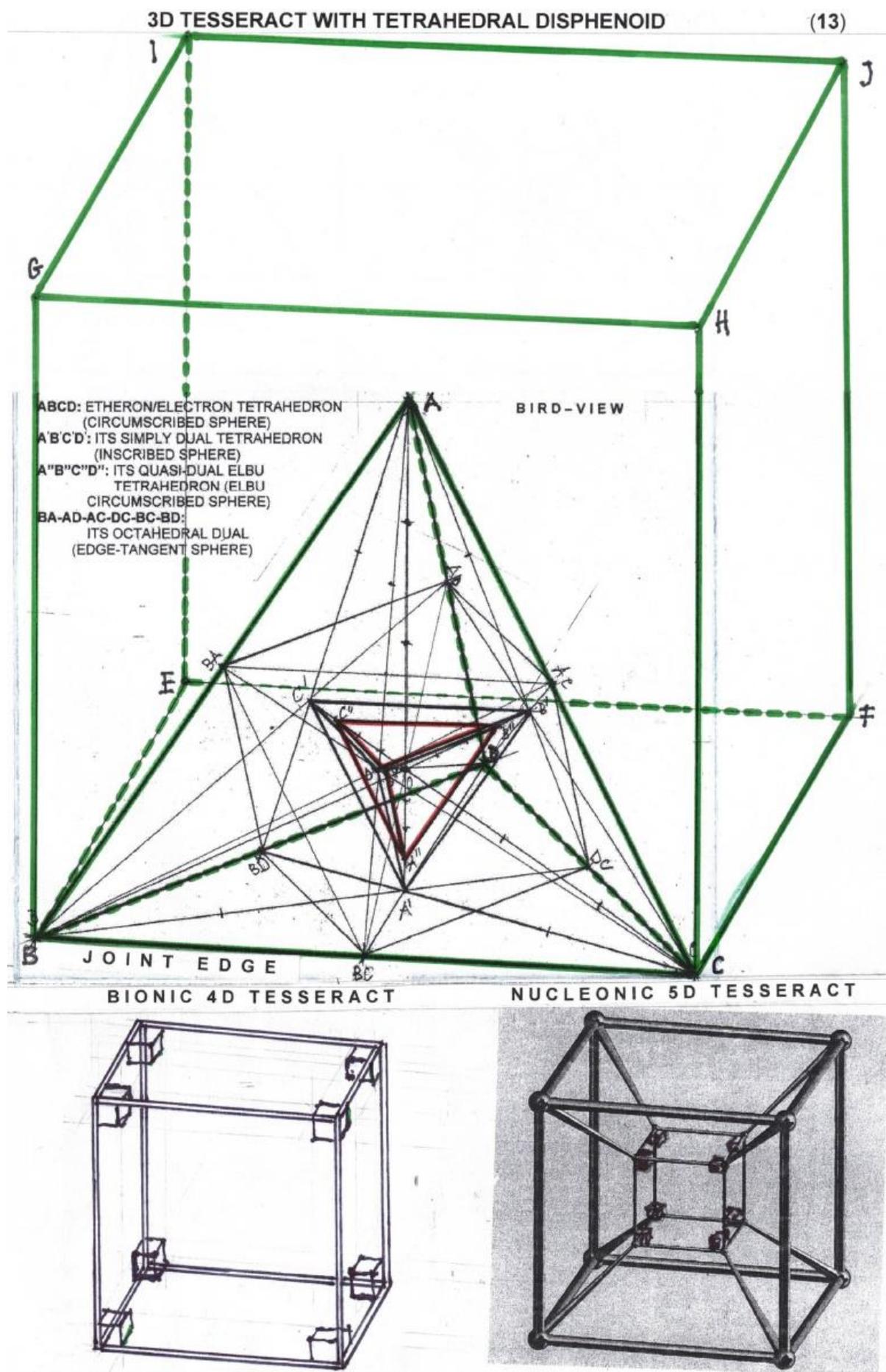
BIRD-VIEW



MAIN DATA OF THE ETHERON AND ELBU TETRAHEDRON

(12)

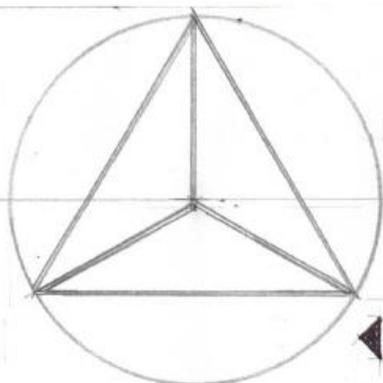




TETRAHEDRAL INTERSECTIONS AS ETHERONIC PRODUCTS

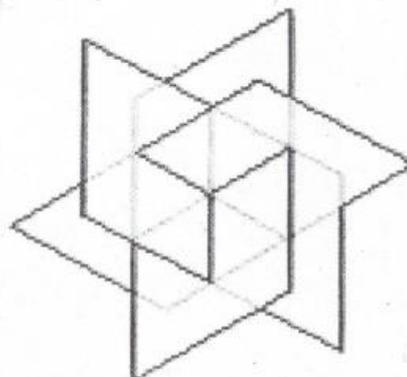
(14)

ETHERON/TETRAHEDRON

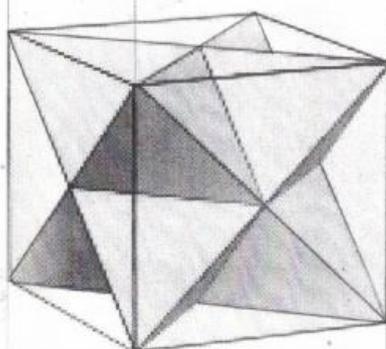


← R_{CIRCUMSCRIBED SPHERE} =
= 0.612 EDGE

3 GOLDEN TRIANGLES SKELETON

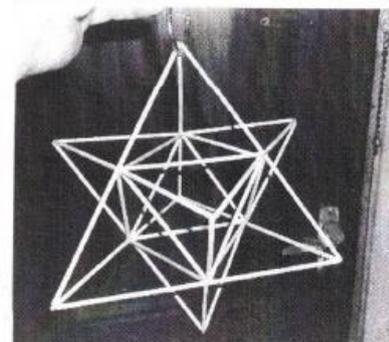


GLUON = 2 ETHERONS/CENTRAL INTERSECTION OF 2 TETRAHEDRA

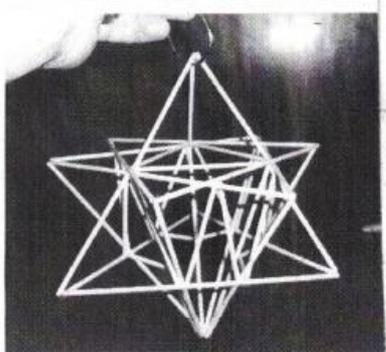


← INSCRIBED IN CUBE
BIQUATERNIONIC

TRIAxIAL
MERKABA →

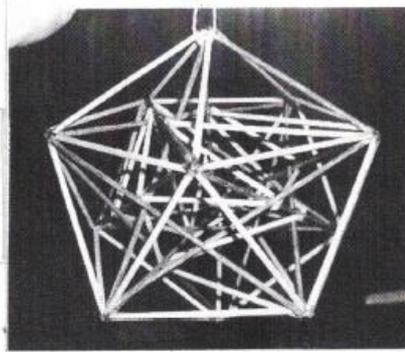


QUARK = 3 ETHERONS/CENTRAL INTERSECTION OF 3 TETRAHEDRA

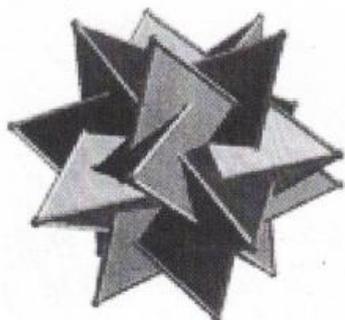


← 3 REGULAR
2+1 POLARIZED

3 IRREGULAR
DOUBLE WEDGED →

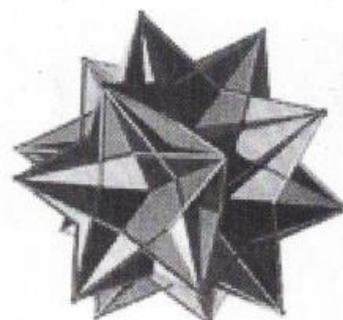


BION B₀/B₅ = 5/10 ETHERONS/INTERSECTION OF 5/10 TETRAHEDRA



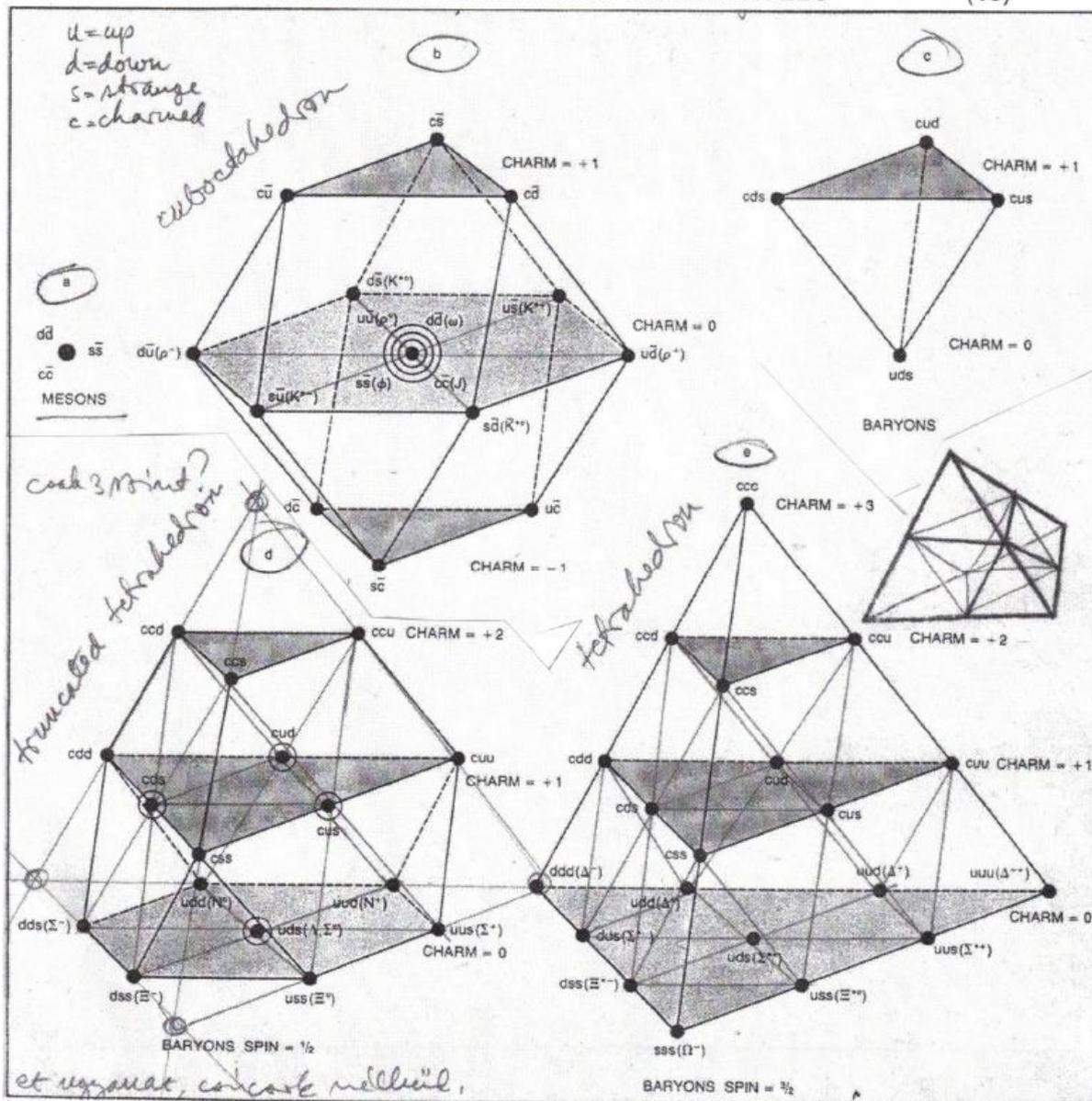
← 5 ETHERONS
BION B₀

10 ETHERONS
BION B₅ →



TETRAHEDRAL ARRANGEMENTS OF THE PARTICLES

(15)



DÜRER'S SOLID/POLYHEDRON TTT
 TRUNCATED TRIANGULAR TRAPEZOHEDRON
 PENTAGON WITH LIFE-ANGLE OF 76 DEGREES

