

Curriculum Vitae: A.P.B. Uiterwijk Winkel

- 1) Name: Albert P.B. Uiterwijk Winkel (Berry)
DOB: 22 June, 1942
City: Leiden
Country: The Netherlands
- 2) 1962: Completed the Higher General Secondary Education in Leiden.
- 3) 1962-1964: Military service.
- 4) 1973: Studied at Wageningen University & Research:
Water treatment, Food Technology, Agrarian law, Microbiology.
- 5) 1975-1986: Publications on water quality of recreational lakes; patent thin layer dredging.
- 6) 1976-2004: Ministry of Transport and Traffic; Department of Waterways and Public Works (Rijkswaterstaat) research Rhine sludge, decontamination, subsidizing communal wastewater sewage plants, discharge waste water, soil remediation, remediation of waste dumping, dredging deposits, geological survey of sand accumulations in the North Sea.
- 7) 2004: Retired.
- 8) 1985-2000: The top-down analysis and bottom-up deduction of the biochemistry of living matter; First version of the Six Laws of Biochemistry. All living matter in the universe is based on exactly the same biochemistry as found on Earth. All living matter is created spontaneously.
- 9) 1995-2008: The systematic derivation of all forces on ordinary atoms, on black hole atoms and on atoms and anti-matter. Derived the origin of gravity.
- 10) 2000-2015: Analysis of the Little Bang as the beginning of this universe, preparation of the cycle of the universe / Taetocyclus, formulated gravity, time and space, the 12 parameters of the universe and the Nine Laws of the Universe. All matter/atoms in the universe are structured in accordance with the elements / isotopes of the periodic table and with the matter on earth.
- 11) 2002-2006: Derived the different types of physical, physical-chemical and chemical forces and the structure of physical and chemical bindings of ordinary atoms. All forces, common atoms and black hole atoms are uniform throughout the universe. All physical and chemical bindings of common atoms are the same throughout the universe.
- 12) 2006: Reviewed the top-down analysis of the Biochemical Pathways and the bottom-up deduction of the biochemistry of living matter. Produced the final version of the Six Laws of Biochemistry. Started publishing the documents on the website.
- 13) 2007: Gravitation. **Franklin Roos** commenced a critical review of all the documents.
- 14) 2007-2015: Preparation of all documents about the Cycle of the Universe, gravitation, time and space, mass / matter, the 12 parameters of the universe and the nine laws of the universe. **Adarshi Yadava** started making the splendid figures to accompany the theoretical descriptions on the website www.uitervijkwinkel.eu.
- 15) 2007-2010 Five short-term advisory missions in Guatemala, Panama, Indonesia, Philippines and Serbia,

- 16) 2010-2015: Deduced:
- The two super-symmetric 'low-energy' higgs proton particles and
 - The two super-symmetric 'low-energy' higgs electron particles.

Documents on majorana particles, converting structures of neutrinos and photons to matter, the formation of energy from only protons / electrons and finally hydrogen. The similar construction of the elements of the periodic table throughout the universe. The transition from common atoms to black hole atoms and the periodic table of the black hole atoms with their physical properties and those of black holes and the accompanying Figures.

- 17) 2006-2014: Developed the *Minimum and Maximum 1 Principle* (Min / Max 1).
- 18) 2014-2015: Completed the documents regarding the higgs level - from protons/ electrons and the periodic table – to the cycle of the universe, processed the remarks by **Franklin Roos** and published a total of approximately 200 Figures made by **Adarshi Yadava**.
- 19) 2016: Completed the documents and published them on www.uitewijkwinkel.eu.

Accompanying notes to the CV of A.P.B. Uiterwijk Winkel:

- In high school there was no logic to science:

In high school, the author missed the logic to what was being taught in the subjects Chemistry and Physics. According to him, there was no logical connection between the two subjects. As a result, the author was slow in completing his high school education. During the 1960s, the lack of consistency also applied during his study at the Wageningen University and Research (WUR) with subjects such as Physics, Organic Chemistry and Biochemistry.

- A career at the Ministry of Transport and Traffic: Department of Waterways and Public Works:

During the nearly 30 years that the author worked at the Department of Waterways and Public Works (Rijkswaterstaat), he covered many topics. For years, he was responsible for the allocating of subsidies to Regional Water Boards in The Netherlands for the construction of large and small municipal wastewater treatment plants in the area of Rotterdam. He was also involved with environmental impact assessments and licensing around the dredging and remediation of polluted soil.

In his communication with other people, the author was very direct, not always very easy and not very skillful in dealing with superiors and with people from outside organizations. He was never promoted during his time at the Department of Waterways and Public Works which had the added advantage of having quite a lot of free time.

The author spent this time:

- To analyze the biochemical structure of living matter on earth (see biochemical schemes of Biochemical Pathways)
- To question whether living matter occurs anywhere else in the universe. If so, if these forms of life differ structurally and biochemically from the living matter on Earth? Or whether all forms of living matter in the universe, if tested biochemically, are exactly the same as on earth. The periodic table only permits one Biochemical system for living matter.
- To discover whether the phenomenon of life develops spontaneously on the billions (10^9) of 'Earth-like' planets in the universe.
- To establish whether living matter is only created through a *supernatural intervention and control* or if living matter arises in the absence thereof.

- The biochemistry of living matter is only possible with the full integration into living cells of their chemical, physical chemical and physical processes:

At the beginning of the 1970s the author characterized, unicellular algae and zoo-plankton from acidic recreational lakes in the province of Drenthe in the Northern part of Holland. He concluded that single-celled organisms and all other forms of living matter can only function if during their biochemical processes i.e. the chemical, the physical and the physical chemical are one fully integrated system that:

- occurs gradually,
- occurs in a fixed order of single steps and unwind one after the other wherein
- all the steps in sequence are matched exactly to each other with only one physical / chemical change at the same moment!

All biochemical reactions, examined over time, unwind gradually and in succession and always through simple steps and two steps never happen at the same moment. As a result, the biochemical reactions are fully organized and unwind through the same pattern of reaction mechanisms. Through this permanent and predictable regularity as well as repetition, the phenomenon of the biochemistry of life is possible!

For the author, this strict ordering was the reason to formulate the *Minimum and Maximum 1 Principle* or *Min / Max 1 Principle*. This principle is universal and applies to all physical processes, all biochemical reactions, all nuclear reactions and all physical reactions. Currently (2016), this *Min / Max 1 Principle* has not been explicitly recognized or named in the scientific world!

- The Minimum and Maximum 1 Principle or Min / Max 1 Principle, in general:

- a) At exactly the same moment, one sub-atomic particle and every atom or molecule are always in a maximum of one physical and chemical state, and not more than one state. The physical and chemical state of the particle take shape and substance by naming all the forces and bindings on the particle.
- b) At exactly the same moment, one, and only one, biochemical or one (nuclear) physical change can take place simultaneously on an individual particle, atom and molecule. This involves:
 - 1) either the breaking of one binding or
 - 2) the forming of one binding.
- c) Two or more changes never happen at exactly the same time! If it seems as if two changes happened at the same time, it is always because it involves two changes that happened one after the other in quick succession! The author has expressed these changes in the *Minimum and Maximum 1 Principle* i.e. the *Min / Max 1 Principle*. See **Document F1e**.

Based on the *Min / Max 1 Principle*, all physical processes, all biochemical reactions, all nuclear reactions and all collisions in particle accelerators can always be split, without exception, into a series of simple, single steps with only one physical, chemical or energy change simultaneously.

This *Min / Max 1 Principle* makes all physical changes, all biochemical reactions, (nuclear) physical reactions and collisions in particle accelerators predictable. It also allows for all these changes, in principle, to be followed precisely and in detail. The biochemistry of living matter is possible because all the biochemical reactions in living cells strictly adhere to the *Min / Max 1 Principle*!

- Some things in Science do not meet the Min / Max 1 Principle:

Currently, some things cannot be split into these small single steps:

1) **Einstein's** equation $E = mc^2$ does not comply to this principle. The transition from mass ↔ energy cannot be broken down into a series of small steps and can, therefore not be expressed step by step. This has far-reaching consequences for the sustainability of the Theory of Relativity. See **Document G5**.

2) Atoms that have neutrons in the nuclei cannot be formed step by step. This is only possible when the atomic nuclei is composed of 'nucleus' protons and 'nucleus' electrons. During a nuclear fusion reaction one proton or one 'nuclear' electron is added step by step to the nucleus and one electron is placed in the electron shells of the atom.

See **Document F1d and Figures 18 – 23**.

- Driving force behind the biochemistry of living matter:

The only driving force behind the biochemistry of living matter is the conversion of the chemical binding energy into heat. This driving force will ensure the one-sided and irreversible step by step expiring of the biochemical processes in living matter. For all living matter, the phenomenon of time is absolutely irreversible because the universe-clock-time is irreversible. This contradicts **Einstein's** Theory of Relativity.

- Top-down analysis of Biochemical Pathways:

In the early 1990s and based on the *Biochemical Pathways* by **Gerhard Michal**, the author derived the top-down biochemical principles of living matter. In the biochemistry of living matter it appears that the chemical, physical-chemical and physical reactions happen separately and one after the other.

This is due to the use of enzymes. All reactions are completely integrated into one logical and predictable system in the form of a series of single physical and chemical reaction steps.

- Bottom-Up deduction of every conceivable molecule; Six Laws of Biochemistry:

Through the bottom-up analysis, the author deduced which biochemical possibilities the periodic system and molecules offer for the construction of living matter. This bottom-up deduction by the author, however, is also unequivocal to the schedules of the *Biochemical Pathways* (see the **Internet**) as the only possible system for the biochemical reactions of living matter.

The *periodic table* of elements offers possibilities, throughout the universe, for only one system of biochemical schemes (BP) for living matter. On earth, in principle, all biochemical possibilities can be found to realize the elements of the periodic table and 1 – 2 billion (10^9) different molecules.

The biochemistry of living matter on earth is unique but also standard for all forms of life present in the universe. (For every galaxy, between a hundred and a thousand 'Earth-like' planets with living matter are to be expected!)

- Biochemical Pathways, biochemical computer chip and the Six Laws of Biochemistry:

The biochemistry of living matter in the BP is based on two central biochemical processors: the citric acid cycle and fatty acid cycle next to the amino acid synthesis.

The schedules of Biochemical Pathways, or the Recron2 model, and enzymes should be read and regarded as biochemical 'computer chips'.

Based on the top-down analysis of the Biochemical Pathways and the bottom-up deduction of the periodic table, the author has derived the Six Laws of Biochemistry.

- Spontaneous development of living matter:

The biochemistry of all living matter everywhere in the universe rests on exactly the same biochemical principles which are found in living matter on the earth. On all planets with a water coverage of 20% - 80% and an atmosphere (0.8 – 1.5 bar, filled mainly with nitrogen) the biochemistry of living matter, initially, develops spontaneously.

From this, living matter develops as a spontaneous and irreversible process in a period of millions of years. Dry land and a desert-like environment are essential for the development of dead matter into 'living' matter. The development of living cells and living matter is driven by photosynthesis resulting in the formation of glucose.

- All matter in the universe is ordered according to the periodic table:

The uniqueness of the citric acid cycle, fatty acid cycle, amino acid synthesis and the BP throughout the universe, is therefore subject to proof of living matter on earth if:

- 1) All matter is ordered, compellingly, according to the elements of the periodic table and
- 2) All the forces / bindings are known.

The author derived these elementary, physical and chemical forces systematically in the period from 2000 to 2006.

- The universe started with a cold Little Bang and not with a Big Bang:

The author has concluded that the start of the universe took place at a temperature of 0 Kelvin. The Little Bang black hole, containing all the matter of the universe, became unstable due to the lack of gravity. The black hole atoms, therefore, divided into an equal number of protons and electrons.

These protons / electrons remained close together because of the mutual electrical magnetism and expanded, without gravitation, into mono layers of alternatively one electron and one proton thick. This Little Bang model by the author is very different and a lot simpler than the rather complex 'Big Bang' theory based on $E = mc^2$ where $m = mass$, and results in approximately 380,000 years of 'dark ages'

- First, the generating of hydrogen:

The expanding system of loose protons / electrons after the Little Bang leads to the formation of the hydrogen atom / molecule only. This process lasts approximately 5 – 10 billion years and happens throughout the universe simultaneously. Hydrogen is formed because each proton traps its own 'shell' electron.

Through the cooling and contracting of the liquid hydrogen, approximately 4 - 20 billion giant hydrogen spheres develop which become bigger and hotter until fusion, in these spheres, occur spontaneously. Each hydrogen sphere then results in the formation of one galaxy and a central black hole.

- The hydrogen results in large, superhot hydrogen spheres:

Approximately 10 billion years later and about 20 - 25 billion years after the Little Bang hydrogen supernova explosions occur, the nuclear fusion of hydrogen, throughout the universe, leads to exactly the same periodic table of elements as found on earth.

Based on the *Min / Max 1 Principle*, these nuclei are exclusively build-up of protons and electrons and they do not contain neutrons! The author replaces all neutrons by one 'nucleus' proton and one 'nucleus' electron. The system of physical and chemical forces of these atoms / elements is the same throughout the universe.

- $E = mc^2$ is incorrect if $m = mass$:

The author deduces that $E \neq mc^2$ as it is incorrect regarding $m = mass$. **Einstein**, in deriving the Theory of Relativity, made a basic error by linking gravity and weight to mass while both variables have nothing do with each other. The author, by deducing all the forces of protons / electrons and atoms, has shown that gravity is not generated by or from the mass present in the nucleus of atoms. The nucleus itself is without gravity and, in fact, even without weight!

Gravitation and, thus weight, is exclusively generated by the 'shell' electrons / electron pairs of atoms in orbits around the nucleus. Gravitation is only generated in combination with the velocity of the atom in the universe, therefore, with kinetic energy!

The weight of an atom is also fully attributed to the 'shell' electrons around the nucleus and not attributed to the mass of this 'shell' electrons or the mass of the atomic nucleus!

- Derivation of all forces on matter:

The author has systematically derived all the forces of atoms and their bindings from ordinary atoms, black hole atoms in black holes and atoms of anti-matter. An important part of forces is generated by the 'shell' electrons of the atom if that particular atom is subjected to movement in the universe.

The author has derived the following forces:

- Two elementary forces of the proton / electron; electric charge and magnetic spin;
- One basic, centripetal force which is related to the 'shell' electrons of the atom;
- Two mechanical forces related to the interaction nucleus \leftrightarrow 'shell' electrons;
- One gravitational force of the 'shell' of electrons (1) / electron pairs (2);
- Two physical forces related to the single 'shell' electron (1) and electron pair (2);
- Two chemical forces related to the single 'shell' electron (1) and electron pair (2);
- Two temperature related forces.

It concerns a total of *two elementary* and *ten different fundamental* forces.

Each form of velocity in the universe generates gravity and its own force and binding vector. All physical and chemical forces and gravity consist of as many vectors as velocities of the Earth in the universe. Physical and chemical bonds are only possible between the same (velocity) vectors of the same strength. This is expressed in the **Vector law** by **Uiterwijk Winkel**. Physical and chemical bindings are build up by the same number of vectors.

- The Cycle of the Universe / the Taetucyclus:

Regarding the cycle of the universe, the author continuously encounters the following questions:

- a) how do energy / photon evolve into matter and into protons / electrons?
- b) how do protons and electrons result in the construction of hydrogen?
- c) how does the fusion of hydrogen result, exclusively, in atoms according to the periodic table?
- d) how do the forces on these elements and their isotopes develop?
- e) when and where is gravity created?

After the Little Bang, the universe goes through a fixed cycle of 29 phases in a period of 2 - 3 trillion (10^{12}) years and with a maximal extension of about 3 - 3.5 billion (10^9) light-years. All 29 steps meet the *Min / Max 1 Principle* and thereby connect seamlessly. This cycle of the universe can be mathematically modelled and quantified.

Each step quantitatively describes: the duration, the occupied space, the form (s) of matter and the forces which are active on the matter present at the time, the distribution of kinetic energy and gravitational energy as well as the linking forces on the movements in the universe.

The universe, as a whole, is subject to an endless cycle: the cycle of the universe / Taetucyclus. This cycle starts with a super cold Little Bang (0 kelvin) and ends again with a super cold Little Bang. Going through one cycle of the universe it is estimated to take about 2 - 3 trillion (10^{12}) years to complete.

- Space and time:

At the next Little Bang the universe ends the universe-clock-time of this universe in the most literal sense by approximately 2 - 3 trillion (10^{12}) years and the universe-clock-time of the next new universe starts again at $t = 0$ sec. The minimum space of the universe is not a singularity but a super big black hole with a radius of 50 – 100 million km. The maximum space of the universe is a thin spherical-shell with a radius diameter of approximately 3 billion light-years. Both time and space are cyclical. Both remain within a minimum and maximum value. Both quantities are connected to each other via the cycle of the universe,. Outside this universe there is absolutely nothing.

Without a modeled universe, the concept of eternity takes, provisionally, 2-3 billion years. With a universe model the maturity of one universe can be accurately determined to approximately one millennium. Within the cycle of the universe, eternity, time and space are, in any case, infinite parameters!

- During the cycle of the universe the same universe-clock-time applies everywhere and exact:

All matter in the universe always has exactly the same universe-clock-time; differences in time are fundamentally impossible. The phenomenon time cannot, locally, be accelerated, slowed down or be deformed. This also applies to the concept of space.

Time and space cannot be deformed in or in the vicinity of black holes. Inside a black hole the exact same universe-clock-time exists as beyond. Black holes have the same event horizon as any other celestial body.

- The driving force behind the cycle of the universe:

The energy / driving force for the completion of the cycle of the universe, is generated as follows:

- a) The first 5 - 10 billion (10^9) years, after the Little Bang, the universe expands at a $\frac{1}{3}$ - $\frac{1}{2}$ of the speed of light c and this balloon-shaped universe consists of layers of protons and electrons. Atoms are absent. Without atoms, the universe is without gravity and gravitational energy. During this first period of the expansion of the universe, gravitational energy relative to the Little Bang point and center C of the universe, is being built up completely free!
- b) Approximately 5 - 10 billion (10^9) years after the Little Bang and with equal expansion on all sides relative to the center C of the universe the hydrogen atom is finally formed during approximately 2.5 billion light-years. With the formation of the hydrogen atom, gravity and gravitational energy relative to C return to the universe.
- c) At this moment, from nothing, a huge amount of gravitational energy relative to the center C of the universe is added, completely free, to the cycle of the universe!
- d) This additional gravitational energy is fully utilized again during the shrinking of the universe. This energy is then used continuously to slow down the acceleration during the contraction of the universe to a fairly constant speed of about 100-150 km / sec. So there is no Big Crunch, only a super soft Crunch!
- e) At the end of the contraction of the universe all the gravitational energy is completely consumed and gone.

This cycle of the universe, derived by the author, requires no conversion of matter into energy. The cycle of the universe takes care of the necessary energy so that all matter remains fully intact.

- The universe is closed for matter and kinetic energy; the universe is open only to gravity and time:

The analysis of the author produces a spherical universe with a radius of 3 ± 0.5 billion light-years around a fixed center C . This universe is a closed system for all forms of matter, electromagnetic radiation and particle radiation. All radiation is deflected towards the spherical-shell of the universe and cannot escape from this thin spherical-shell. The universe is open only to gravitational radiation and the universe-clock-time.

- The deep universe is based on virtual images:

All images of distant galaxies are delivered to earth through this thin spherical-shell of the universe by the deflection of extremely low local concentrations of hydrogen and helium. Light cannot move in an absolute vacuum.

The images we receive on earth from the distant universe are all highly distorted and virtual. In reality the universe looks quite different from that which we have been observing.

- Vision completed:

The author's quest has required approximately 30 - 40 thousand hours of work so far. The author has prepared a comprehensive vision that contain the following outline:

- = The universe, the cycle of the universe and the laws of the universe always repeat themselves;
- = The associated cycles of matter, energy, forces, time and space;
- = The construction of matter and the forces and bindings which manifest themselves;
- = Deriving gravity and all possible physical and chemical forces; these forces can be deduced qualitatively and demonstrated and measured quantitatively;
- = Inexplicable forces cannot occur in or outside of matter;
Gravity is the most curious force;
- = The biochemistry of living matter or the Laws of the Biochemistry of living matter;
- = The spontaneity and biochemical uniformity of all forms of life in the universe.

These documents require us to look at things from a different perspective.

- Science today, consist of many errors and illusions:

Science and literature today, contain many errors that have passed through the professional and scientific literature. These errors are like viruses. At first, these errors seem true. However, upon further analysis, this is not the case. Other things have been measured and observed than what was thought to be measured or observed

- In the next few years, the scientific world needs to rid the foundation of the science of many of these professional errors / mistakes that has crept into the literature.
- Some of these errors are currently the cornerstones of the foundation of Science and literature. They are theories such as: the Theory of Relativity $E = mc^2$, the Big Bang Theory and the current Standard Model of elementary particles.

The author realizes that his message will destroy much of what is believed. He realizes that his views will not bring him much appreciation. See document J2.

Ir. A.P.B. Uiterwijk Winkel MSc

Zwijndrecht the Netherlands Dated: January 22, 2016*

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