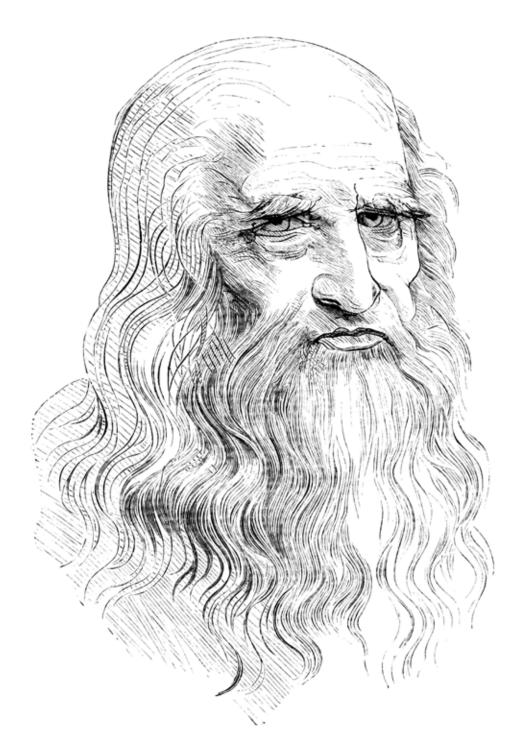
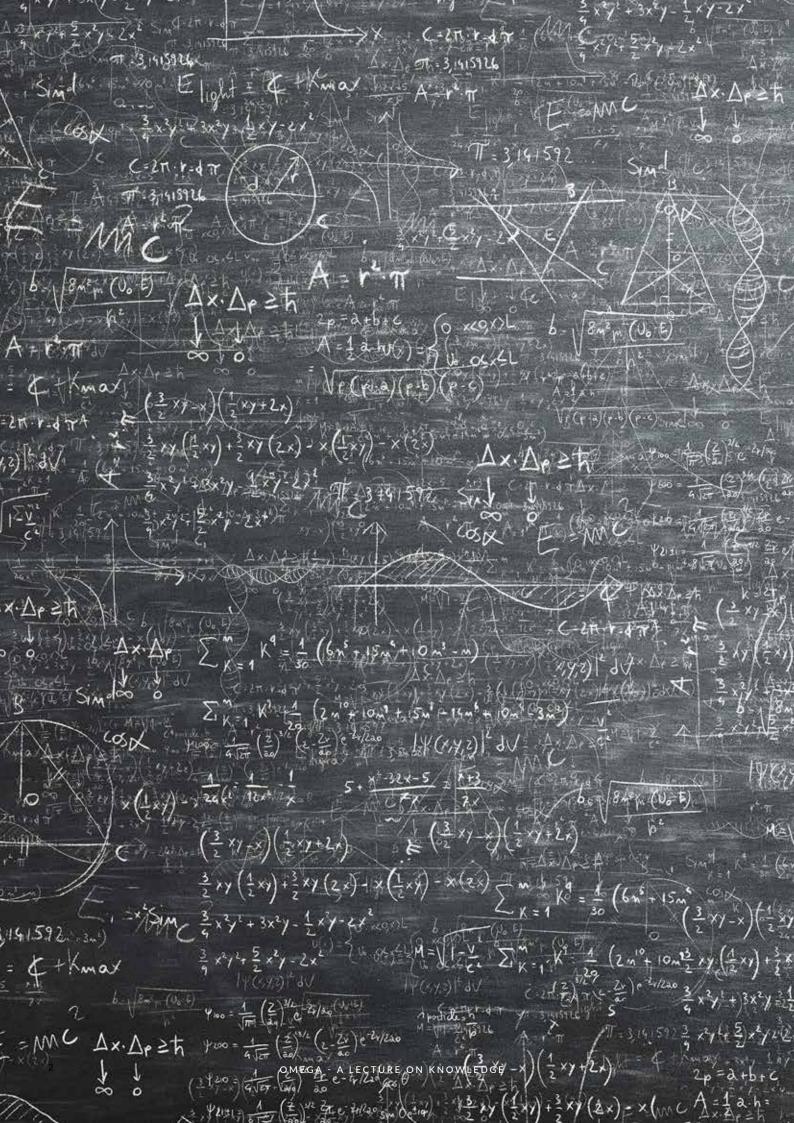


In Pursuit of Global Awareness



# $\bigcap_{\mathbf{A} \in \mathcal{A}} \mathbf{OMEGA}$

By Albert de Booij

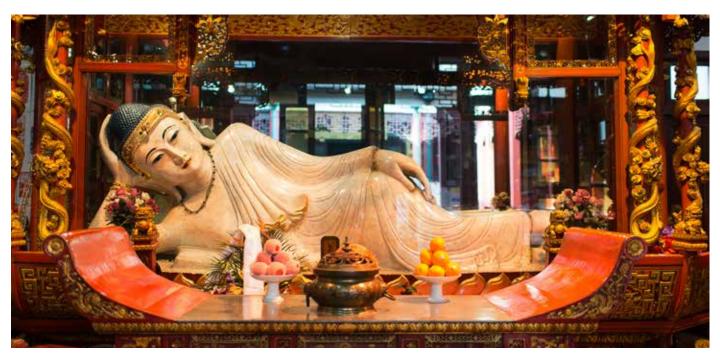






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Statue in the Jade Buddha Temple Shanghai

[Cover Illustration] Leonardo Da Vinci (1452 - 1519)



### 1 - Pure Energy

The Royal Swedish Academy of Sciences has awarded the 2008 Nobel Prize in Physics to Yoichiro Nambu 'for the discovery of the mechanism of spontaneous broken symmetry in subatomic physics', and to Makoto Kobayashi and Toshihide Maskawa 'for the discovery of the origin of the broken symmetry which predicts the existence of at least three families of quarks in nature'.

I don't know about you, but I did not have a clue what this meant when I first heard of it.

Fortunately, I happened to hear a radio interview with Dutch physicist Robbert Dijkgraaf, the former president of the Netherlands Royal Academy of Science. He helped me understand the true impact of this discovery. Imagine 10 billion matter particles and 10 billion antimatter particles! I cannot really picture antimatter particles, although I know that physicists have proven their existence. However, my brain does understand that 10 billion particles and 10 billion antiparticles add up to 0. The same number of plusses and minuses is equal to zero. I realise it is a trivial thought, but it has caused a mini-revolution in my way of thinking!

In physics this O-status is nothing else than 'pure energy'. Nothing is Something! Nothing totals an equal number of particles and antiparticles, and stands for a state of pure energy. The three Japanese scientists stress in their abstract

- 'Everything unfolds in that one particle'
- mathematical model that particles of matter have the cautious tendency to expand their quantity to 10 billion and 1. A spontaneous production of an extra particle of matter, or a breaking of symmetry, alters the relationship between particles of matter and antimatter.

It is this one particle that we know as All there is. All matter that we perceive, and know of, is defined by this particle: all planets, universes, oceans, mountains, human beings, plants, animals, etc. The answer to the question 'what existed before the Big Bang?' is 'an eternal, harmonious, timeless, and spaceless state of pure energy'. An equilibrium.

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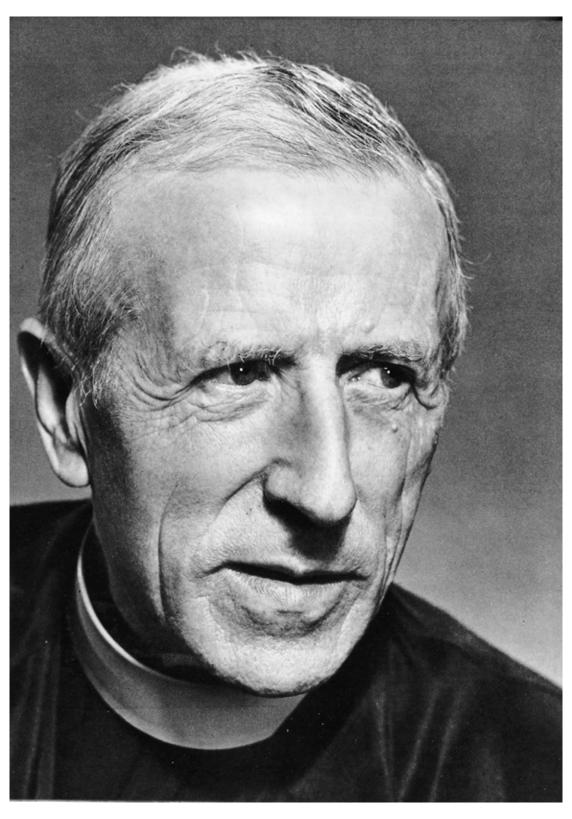
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[Domain 1] Pure Energy



Albert de Booij
Founder and CEO of
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Worldofconsciousness.com



[Pierre Teilhard de Chardin 1881-1955]
French paleonthologist and Jesuit theologian

### 2 - The Given

I would describe this one particle as the Given, the basis and extent of All there is. We may regard the Given as primordial dust that unfolds information. The Given includes everything that lives and apparently does not live.

According to the famous 20th century French paleontologist and Jesuit theologian Pierre Teilhard de Chardin, matter has an 'inside' called psychism (a doctrine that there is a fluid universally diffused and equally animating all living beings). All phenomena in the world are harbouring this physiological element, although in different concentrations. Teilhard de Chardin considers this internalised form of energy to be a driving evolutionary force which has led to three 'births':

Cosmogenesis (the origin of the universe),

Biogenesis (the creation of a life form from non-living materials)

Noogenesis (the emergence and evolution of intelligence). These three 'births' succeed one another chronologically and imply an evolutionary movement.

### 'Matter has an 'inside' called psychism'

Noogenesis, the leap to self-consciousness, is responsible for the phenomenon of the human being, the species biologists call Homo Sapiens, the Knowing Man. This species was able to rise above the animal level. This means that man, as thinking beings, are capable of transcending the cosmos and themselves. Ultimately, the ongoing development of mankind will lead to an evolutionary moment Teilhard de Chardin describes as the omega point. Some modern scientists concur with this. They are the ones whose concept of God may be compared with an intelligent, cosmic computer network: living eternally (the reason why the internet was originally called into existence), omnipresent (after all, it is a network, which is everywhere and nowhere at the same time) and omniscient (all knowledge and information is present). These are properties attributed to God. God is omniscient, omnipresent, and He can do anything. When these three elements come together in a single point, according to contemporary scientists that is also an omega point.

When you reach that point you literally become (a) God.

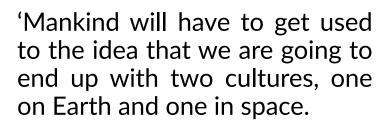


[Domain 2] The Given

### 3 - Information

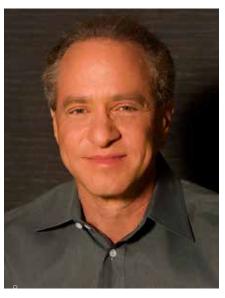
According to Dutch neurologist professor Dick Swaab, we are our brains. An eye-opener to me, as for many years I had assumed that the brain controls our body. The opposite seems to be true. The body controls our brain. In its urge for survival, the brain wants three things. It wants to receive information, and therefore has developed its senses over the past few million years in such a way that we can chart and understand the world around us. The brain needs fuel, and hires a body with a metabolism and limbs, so it can move around and perform its functions. Thirdly, a brain wants to create a new brain.

In reality, our familiar Given enables our senses to distil information needed to survive adequately. It is clear that we do not (cannot) grasp reality as a whole, but the information that we extract from reality gives us something to hold on to, to help us survive. However, the surplus of information is so enormous, that we could easily be deluged by it. Luckily, the brain has come up with a solution, by protecting itself using a virtual net, and creating a matrix that helps to categorise, locate and store different kinds of information. To be able to understand things better and map them. The net is made up of the coordinates of time, space and causality. Aids that help us to categorise things and gain a better understanding of them. From this quantity of information we extract the elements that are important to us.



Many modern scientists, including well-known inventor and expert Raymond Kurzweil, anticipate that between 2030 and 2040 man will have the necessary knowledge and skills to be able to scan brains. Nanorobots inserted into the bloodstream will travel to all corners of the brain, scan the contents and record the location of nerve cells, axons, synapses and so on. After the scan the robots can effectively download the information wirelessly into a computer, which then constructs a complete copy of the brain. Thus, it will become possible to store a person's intellectual capacity on a hard disk and take it on a journey through space. When the spaceship reaches its destination a new body will be created and assembled. This way we might be able to avoid the radiation that would otherwise make it impossible for all living creatures to travel to remote destinations in the universe.

According to Mr Kurzweil, intelligent computers will reach a superhuman level as soon as the year 2050. At that point immortality could be a feasible prospect, because by then medical knowledge will have expanded to such a degree that the human body can remain young forever. Should this expectation become a reality, mankind would not experience 100 years of progress in the 21st century, but more like 20,000 years.

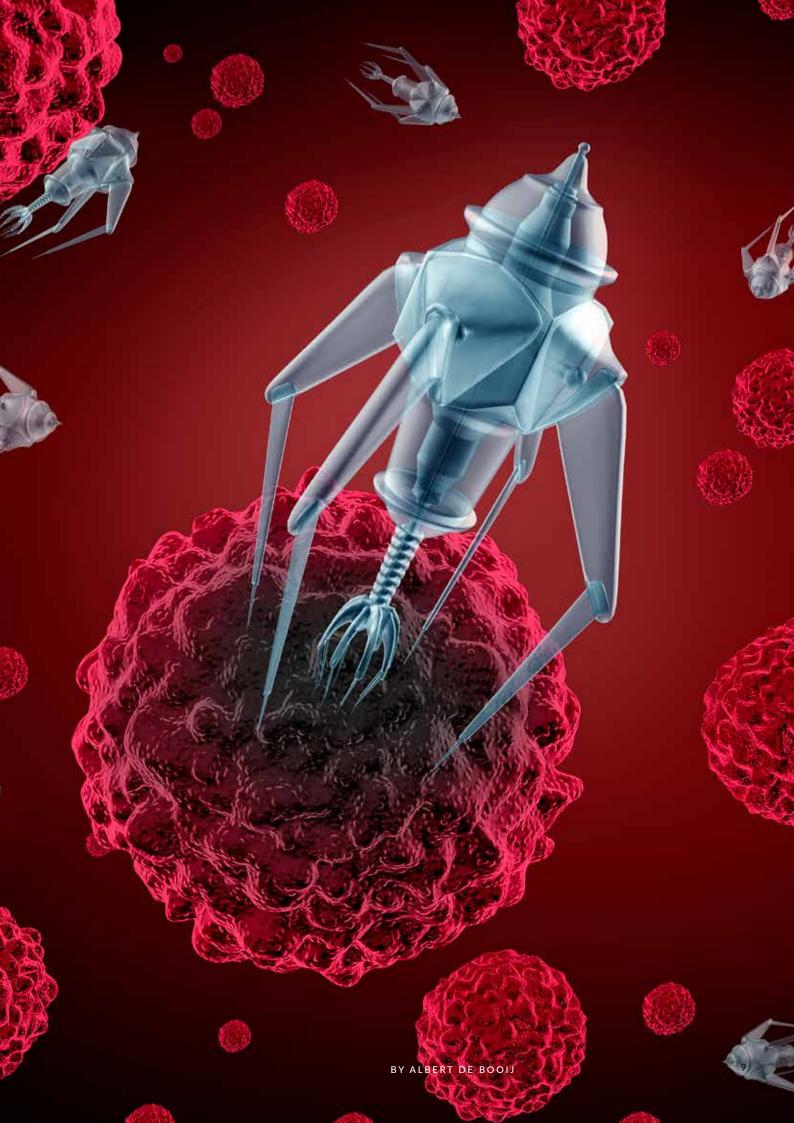


**Raymond Kurzweil** American inventor and futurist

[Illustration 1] →
Transparent medical nanobots repair blood cells



[Domain 3] Information





### 4 - Knowledge

Czech writer Milan Kundera, the author of, amongst other books, 'The Unbearable Lightness of Being', once calculated that about 70 billion people must have lived on Earth until the present day. I don't know his method of calculation, but let's assume that this actually is the case. Seven million years ago the first hominids, anthropoids and their (extinct) relatives appeared, in and around savannahs and prairies. Three million years ago Lucy, our African first mother, was followed by Homo habilis ('handy man', with tools) and Homo erectus (upright man). Their successor, Homo sapiens ('knowing and self-conscious man') appeared just 250,000 years ago and is still evolving. Now, in 2018, we are all homo sapiens.

### 'Far too many managers work in mud layers that are absolutely redundant and undesirable'

The personalities and intelligence of our forefathers, were essentially not very different from ours, apart from the cultural and organisational complexity of our modern world. If we add up all the knowledge of our 70 billion ancestors, including the more than 7 billion people who are now living on our planet, it might turn out to be no more than a fraction of a fraction of all the knowledge there is to be known. This explains man's continuing quest. Epistemologists, cognitive scientists, and futurologists have calculated that our total supply of knowledge doubles twice a day since 2010. For your information, in the year 2019 just as

## 'By now our human, biological design is actually hopelessly outmoded for the life that we lead.'

much information became available as in the whole of the 10,000 previous years. It took Homo Sapiens 240,000 years to acquire enough knowledge to enable the transition from a nomadic to a sedentary lifestyle. Just 10,000 years ago they knew enough about agriculture, animal husbandry and climate cycles to be able to change their way of life. Groups of people settled in fixed places. The first villa-



Lucy was discovered in 1974 by anthropologist Professor Donald Johanson and his student Tom Gray in a maze of ravines at Hadar northern Ethiopia.
Johanson and Gray named their fossil skeleton Lucy, after the Beatles song 'Lucy in the Sky with Diamonds'.



[Domain 4] Knowledge



prof. dr. ir. Matthieu Weggeman According to Matthieu Weggeman, one of Speakers Academy®'s important faculty members, knowledge is a combination of information and experiences, skills and attitude, which has led to the formula: K = I x E + S + A.

At the end of the day, giving a direction to knowledge might just be the most important thing of all. What is knowledge worth if it is impossible to apply? Schools and universities should advise young students in such a way, that they are able to integrate in society more easily. Education should be available for free, preferably for life. A better investment is unimaginable.

ges and cities appeared. This sedentary way of life marks the start of 'civilisation' as we know it. A civilisation that is just 10,000 years old, or only 500 generations, a millisecond on the Earth's time clock that started to tick 4.5 billion years ago in a solar system that is now 13.5 billion years old. We used to gather roots, fruits and nuts. We hunted animals and went fishing. Now we go hunting in cooler cabinets in supermarkets, armed with money. Not that long ago we got plenty of fresh air and lots of exercise. Nowadays many of us sit still, day after day, behind our computers. We have become desk jockeys!

Homo sapiens first appeared on the African landscape. Our bodies are designed for that kind of life, but are now rotting away like machines that are left unused in a corner. Our hunter-gatherer ancestors lived in a huge area, and after weeks of wandering they might not even have come across anyone else. Now we surround ourselves with thousands of strangers in social networks, all of whom call for our time and attention. The life of the hunter-gatherer was less stressful than the life we live according to today's busy timetables. The rise of agriculture 10,000 years ago changed our lives forever. Our whole anatomy, with long legs, bent knees, shock absorbing feet and a broad chest with swinging arms, has been designed for walking and running while searching for plants and prey. For millions of years we lived in small, genetically related groups. About 10,000 years ago we were thinly spread across the globe, only a few million people in all. Around the year zero there were about 200 million people alive, at the time of industrialisation in the 18th century there were 600 million, and today there are 7 billion. In the past, life's rhythm was quiet, and people knew more or less what to expect in the near future. In this day and age targets and messages that are almost impossible to ignore determine our daily lives.

# 'The media bombard us with useless facts for up to six hours a day, thus manipulating our brain.'

We have become needy beings. Historically, human life has unfolded at an incredibly fast rate. From the first cities in Mesopotamia, architectural changes in Egypt, philosophical and religious developments in India and China, the upcoming rationality of the ancient Greeks, the rise of Judaism, Christianity and Islam, through the introverted, 'dark' Middle Ages, the blossoming of the Renaissance, the emergence of modern science, the Enlightenment and the explosion of the industrial revolutions, humanity has hurled into the turbulent and warlike Twentieth Century. At the beginning of the 21st century scientists began calculating the exponential increase in knowledge. They reached the conclusion that eventually, if this growth continues, this will lead to an endless acceleration. The amount of knowledge will in a sense be doubled every split second. This is what we call the singularity of knowledge. We could reach this situation of infinite acceleration somewhere between 2035 and 2045. It's clear that by then no normal

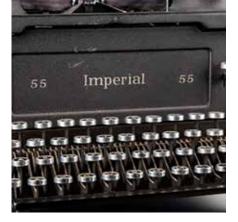


human being will be capable of following what happens, let alone playing a part in it.

For that reason we must assume that higher, transhuman forms of intelligence will be all around us much sooner than we think, and take over the further course of history. Leaving aside for the time being the question whether this assumption will become reality in the near future, there is a related trend that requires concrete calculation: the evolution of computers. According to Moore's Law, the capacity of computers doubles every two years. That has been roughly the case since the first computers were produced at the end of the 1940s. Gordon Moore (the founder of Intel) announced in 2006 that his law wouldn't apply forever, and retardations would occur. "You simply can't go beyond certain limits", Moore said. In this context, hope is focused on nanotechnology, although this cannot just replace the huge task performed by the electronics industry. One interesting point is the expectation that in 2020 the average computer will have the calculating capacity of the human brain, which could rise 10 years later by a factor 10 or even 100. There are distinct possibilities here, for example in the fields of robotics and chip implants. For a major new breakthrough we may have to wait for results from the neurological research sector. The implantation of electrodes in the brain for medical purposes is already a routine today. A transhuman era will usher in a future in which human beings will no longer be the most intelligent creatures on Earth. People will no longer be 'the chosen ones' and might have to give up their prevalent position to other species, whatever they may be: artificial intelligence, genetically enhanced individuals and human beings downloading their consciousness into a computer (600 megabytes suffices to copy a person), to go on living forever as software programs.

Although this may sound like pure science fiction, many scientists are convinced these developments could be a reality within a few decades. For example in nanotechnology, specialists are already capable of shifting and displacing particles at an atomic level to alter properties. The enthusiasm surrounding the new technologies and transhuman ideas arose in the same period as postmodernism and the ecological movement, but their development has been entirely different. Transhumanism is a typically American movement, and in accordance with the American vision on the makeability of the world, self-realisation, bodybuilding, breast implants, and so on. From science fiction to science faction. Paradigm shifts are taking place slowly. Example: where the medical world once sought ways of healing people from illnesses and injuries, new research offers radical perspectives: we can not only cure, we can also improve. If we can make deaf persons hear thanks to an implanted chip in their brains, we can also enable them to experience ultrasonic sound. An implanted chip should not only be used to cure Alzheimer's disease, but also to increase the memory of healthy people. In the near future it will be possible to store all available knowledge, all the information in computers all around the world, in a single chip not bigger than a sugar lump.

It isn't unimaginable that future neuro-scientists will be capable of implanting those chips, and downloading knowledge. Anti-biological intelligence is growing at a very fast rate. For the time being, we should develop scenarios that enable us to adequately distil insights from all this knowledge, and determine how to use them.



Typewriter



Personal Computer



Smartphone



Chip

### 5 - Insights

The number of specialists shall increase enormously in future. At the same time there will be a growing need for generalists, who are capable of having a comprehensive view of all possibilities. People who can build interdisciplinary bridges. A 21st century Homo Universalis, who probably will live on for many centuries. Upbringing, education and science must change fast to provide young people with profound and significant insights. Governments should support this actively, and recognise and appreciate talent. Lotteries should not be put in place to determine whether a student can be given access to certain areas of study. Astronomical loans should be abolished for students who are at the start of their careers and lives. Remember, they are our future!

The same applies to governments, companies, and care institutions. They too will have to change drastically. There are too many managers working in superfluous, undesirable halfway houses, who have limited access to professional training trajectories or meaningful forms of higher education. It should be all about acquiring essential insights through profound study, which are transferable to future generations. 'Knowledge leads to freedom. And to adulthood,' says Spinoza. Also interesting in this context is Immanuel Kant's definition of the term 'Enlightenment': 'Enlightenment is man's emergence from his self-incurred immaturity.' Immaturity is the inability to use one's own understanding without the guidance of another.

The great stories should return. In this day and age more than one billion people are connected through the internet, and just six handshakes away from 'the other', regardless who that might be. This means that we are truly living in a global village, a forceful community full of collective, and creative intelligence. Back to the insights, or as I would call it distilled knowledge. Insights enable communities to face the world and cope with life. We derive insights from myths, sayings, the great ancient stories of Oedipus, the Bible, the Upanishads, Gilgamesh, and the Trojan heroes, Shakespeare's tragedies Macbeth, Media, and King Lear. These stories are blueprints for our day-to-day lives, often presenting 'super' human beings as role models. This unique transfer of knowledge is a way to answer the philosophical questions, most people are struggling with. Do we have a free will, is there life after death, and does God exist? The problem is that we don't live the life we would like to live. We try to avoid our destiny, but instead we are more attracted to it. There are as many truths as there are people. Do the Given, Information, Knowledge, and Insights provide us with the right conditions to live well? For many of us the answer is yes. They like to stay inside the box, where it is very familiar, warm, and comfortable. Those people live, work, deliver, enjoy entertainment, produce children, and eventually die. Does it end there in the domains of acquired knowledge and insights? No!

It is possible to look over the edge of the box, and enter a new domain, the domain of wisdom.

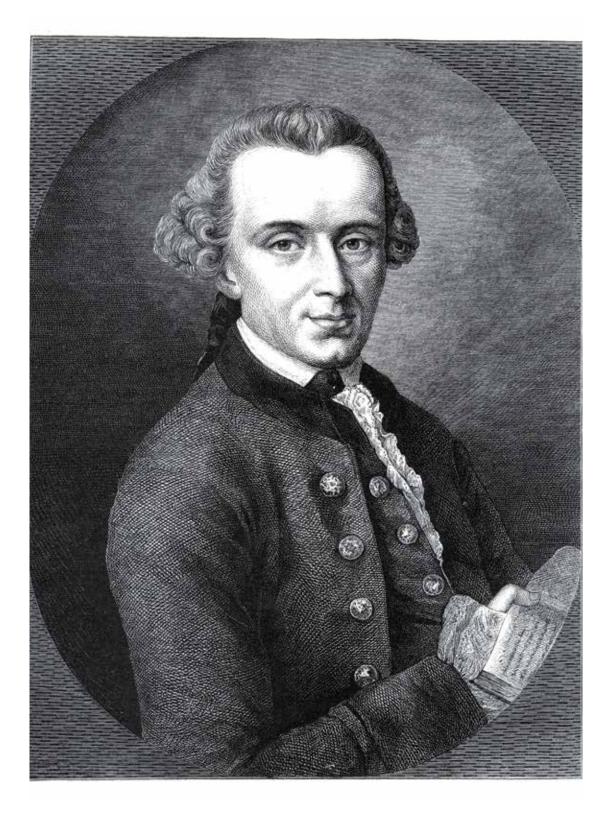


Spinoza (1632 - 1677)

'It is Speakers
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transfer the profound
knowledge and deep
insights of thousands
of experienced
experts and creative
thinkers to today's
and tomorrow's
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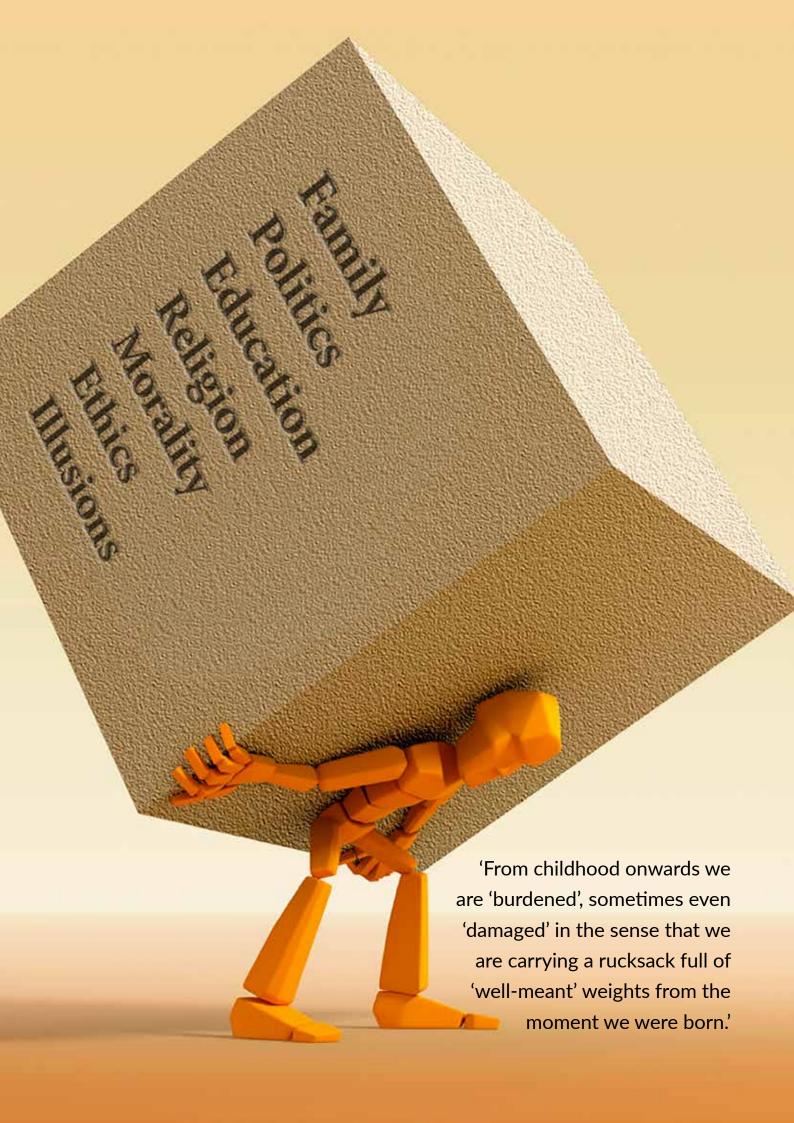
[Domain 5] Insights



Immanuel Kant (1724 - 1804)

'Enlightenment is man's emergence from his self-incurred immaturity.'

Immaturity is the inability to use one's own understanding without the guidance of another.



#### 6 - Wisdom

Aristotle saw Wisdom as the highest form of knowledge. Knowledge and insights often don't supply the answers we hope they will. When life gets hard, we seek refuge or support in external agencies or people with a lot of wisdom and experience, who can help us conquer our problems. We think about the things that confuse us, in the hope of relieving or escaping our fate. Wisdom has to do with detachment, keeping a critical distance. It's a form of art. The art of judging and acting rightly whatever life may throw at us. Wisdom is also practical, it provides a direction and has a moral charge. As a stereotype you might say: wise people have made mistakes and learned from them. They have enjoyed and suffered, made choices, have acted and accepted responsibility for their deeds; have become acquainted with truth, and have ceased to suffer. In spite of all the setbacks they have endured, they are happy, grateful and kind, and are no longer tormented by unfulfilled desires. They have a good conscience, and most of them are not afraid of death.

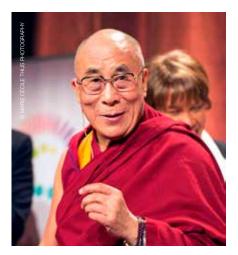
You will find wise people who serve as role models in all cultures. One example of an insight promoted to wisdom is that true love alone can be unconditional and eternal. In other words, if you truly love someone, it will be forever impossible to deny that fact. A love like that can never be over. And if it is, then in essence you never loved the person in question and were living an illusion.

Another example. Wise teachers know that you must go through a process in order to attain the highest form of knowledge. Understand, like them, that this process is only possible when you can see through illusions, can put your 'I' temporarily in parentheses, set aside the concerns of the ego for a moment and pass through the open barrier that grants access to your true self. That is more difficult than some people think, it is challenging, to say the least! The 'true' knows no ego. The 'ego' is an autonomous construction, not a fixed pillar.

From childhood onwards we are 'burdened', sometimes even 'damaged' in the sense that we are carrying a rucksack full of 'well-meant' weights from the moment we were born. Stones that represent family, politics, upbringing, religion, morality, ethics and all kinds of illusions in which we are trapped, and keep us from being authentic. These illusions prevent us from thinking autonomously and keep us far from the emotionally charged word 'truth'. We walk bent under the weight of the stones, and are forced to stay inside the bag. Not just because it's warm and comfortable in there, but because the weight presses down on us. How do you know who you are if everything is foisted upon you? How can you make choices if others do it for you all the time?

Our ego is heavy, it is a burden to us. And as in art, the important thing is to remove everything unnecessary, to reveal beauty and talk about it. Love and an inflated ego do not go together. It's one or the other. It is when the ego is entirely infused with love, leading to a clear consciousness, that love can blossom. Human beings have maneuvered themselves into a particularly strange situation, because their egos are always endeavouring to come across as favourable as possible to other people, which does not make it easy for them to be themselves. They have the right to be, but the hypocritical fixed order denies them this opportunity.

'Wisdom is also practical, it provides a direction and has a moral charge.'

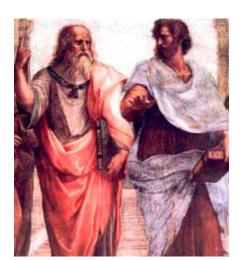


The Dalai Lama (1935)



[Domain 6] Wisdom

#### 7 - Truth



Plato en Aristoteles



Heinrich Heine German poet (1797-1856)



[Domain 7] Truth

Here I don't mean the truth that is found in the domain of everyday insights, in the sense of 'everyone has his own truth'. No, the truth that I have in mind is not relative, but absolute.

To reach it, we must rid ourselves of all the superfluous ballast that keeps our backs bent. Knowing this is also a form of wisdom. Being able to do it, is another thing entirely. It may be clear that all of this is not given to everyone. We are saturated in relativism and cynicism. But when it works the reward is great. At the end of the journey we become acquainted with the truth to which you are unconditionally open. The German poet Heinrich Heine once wrote that we all have a moment in our lives in which, in a fraction of a second, happiness flows through us, from our toes to the crown of our head. A moment in which everything makes sense, and comes together. A moment of absolute tranquility and peace. According to Heine it's this rare experience that makes life worth living. Knowing that there are no divisions between you and the rest of the world, means that wholeness comes into being, and conflicts will be resolved.

Being open to this experience is the core and fulfilment of the search for truth. We can now combine Heine's moments of flowing happiness and contentment into an uninterrupted stream, while at the same time striving for enlightenment. To reach perfection and lasting peace. A desirable truth.

'Distancing ourselves from many of the familiar things we were brought up with, that have tamed and domesticated us, is one of the most difficult things there are.'

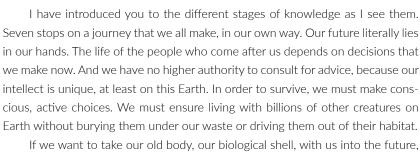
And perhaps this striving for happiness, this enlightenment, in itself is an illusion, a spiritual game played by the ego as it refuses to be sidelined. Truth cannot be captured in words.

We live under a cloud cover, and have to fly through the clouds like a pilot to eventually see the light, the truth. In this world of light, mythologies, stories, religions, and human laws are irrelevant. The only law that counts there, is the Natural Law. This law consists of seven principles, cannot be changed, and applies to everything and everyone.

The truth will set you free.



### **In Conclusion**

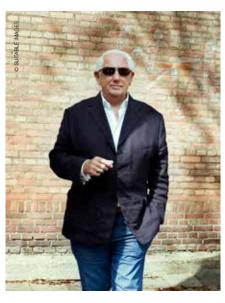


If we want to take our old body, our biological shell, with us into the future, we will have to cooperate with everybody on the planet. We are each other's genetic backup, and thus each other's evolutionary future. It is our own reticence that keeps us from setting the necessary developments in motion. Ironically, people in wealthy countries, where most new technologies come from, raise ethical and religious objections. People who are sick or starving are rarely that critical. They see solutions, rather than problems.

At the end of our journey, we come full circle.

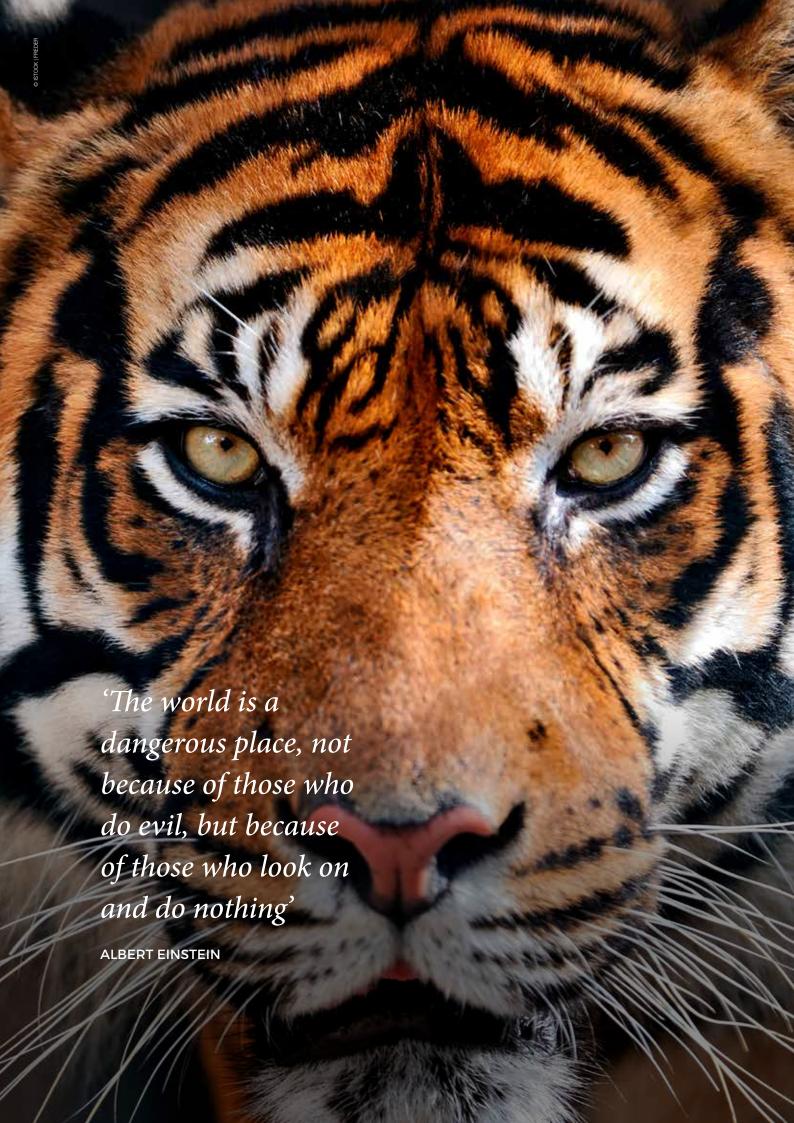
Humans get lost in a world full of fear, because their inner compass is gone, as are their knowledge of good and evil and their true self. When we know evil, we can remove it, if we do not know it, it takes root in us. Valentinus said: 'We don't fight for the truth, as everyone has their own truth.' Today's answer might be a spiritual prison tomorrow.

Truth connects seamlessly, and even merges with pure energy, the starting point of our Odyssey, the null physics (the study and quantification of the relationship between the physical state of existence and non-existence) of the three Japanese scientists. Perhaps you wondered, at the beginning of this lecture, how a material particle can come into being spontaneously, and what causes it. The thing is, we want to find a cause, and start making assumptions. But a cause could be, as in quantum physics, entirely non-existent. Our causal way of thinking could be largely illusory.



**Albert de Booij**Founder and CEO of
Speakersacademy.com and of
Worldofconsciousness.com

'Humans get
lost in a world
full of fear,
because their
inner compass is
gone, as are their
knowledge of
good and evil and
their true self.'





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