The New Physics
derived from the
Disinverted Metaphysics

A new breakthrough in Physics

Norberto R. Keppe

PROTON
EDITORA

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Behind any great scientific theory, there is a powerful philosophical thought. That's why great scientists like Bohr, Einstein, Schrödinger and others believed very much in the power of intuition.

This book brings a new philosophical orientation to the study of Physics, after almost 100 years of what is called "the New Physics," following Relativity and Quantum Physics.

Keppe shows in this fascinating book "The New Physics from the Disinverted Metaphysics" how Physics (as well as biology and psychology) is currently following an inverted orientation in its essential concepts, which leads physicists to commit unconsciously the same mistakes and making it difficult the development of this science.

By studying Aristotelian metaphysics, Keppe applied his fundamental discovery on psychopathology, the inversion, to obtain the "disinversion" of metaphysics, and consequently, a new breakthrough for Physics.

Einstein reasoned "invertedly" when he placed movement (speed of light) instead of the "internal vibration" as basis for his theory of special relativity, and he reasoned invertedly again in his theory of general relativity, when he considered mass as cause of gravitation through space bending.
On the other hand, Quantum Physics also follows the inversion of believing that energy comes from tiny material elements, particles and subparticles, as well as the superstring theory by replacing these particles and subparticles for extremely tiny vibrating strings.

Despite partial confirmations of relativity and quantum Physics, unification of them has shown to be impracticable so far, for they are incompatible to one another. This feat, in the words of 1979 Physics Nobel prize winner, Steven Wienberg, "requires the stemming of radically new ideas."

Keppe conveys the idea that these theories don't go together because they follow an inverted metaphysical orientation by considering matter as basis for the energetic phenomena and particles (or strings) as building blocks of everything. Both orientations contradict one of the most fundamental laws of metaphysics which states that "the greater cannot come from the lesser."

Indeed, this book is more than a work about Physics, but of metaphysics and philosophy, with far reaching consequences for biology and psychology as well.

By going through it, the reader will be introduced to a new way of reasoning about the Physical phenomena and understand, among many other things, why Physics should be renamed Energetics, the promising unified science of the coming future.

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DERIVED FROM A

DISINVERTED METAPHYSICS

NORBERTO R. KEPPE

(Physics – Biology – Psychology – Metaphysics)

THE NEW PHYSICS

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DISINVERTED METAPHYSICS

Physics,
Biology
and
Psychology

NORBERTO R. KEPPE

Translated by Carlos Cesar Soós and Susan Berkley

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CONTENTS

PART-C: Vibration

PART-D: Social and Human Pathology

PART-E: Unification

PART-F: Correcting Genetics

PART-G: Disinversion of Metaphysics

Presentation

It is a great honor to be invited to introduce "*The New Physics Derived from the Disinverted Metaphysics*," by **Dr. NORBERTO KEPPE**, one of the world's clearest minded contemporary thinkers. And this is made even more special when I remember that we are in a year that has been especially dedicated to Physics.

It's symptomatic, I think, that one of our greatest living physicists, **JEAN CHARON**, has stated, in what I find is a quite incredible confession, that "PHYSICS HAS NO WAY OUT IF IT DOES NOT ADMIT THE EXISTENCE OF SPIRIT."

Finally, an eminent scientist has surpassed the strictly physical realm and encompassed science within a wider and vastly unexplored realm – that of SPIRIT.

After all, what is spirit, if not pure scalar energy – the most primeval energy that exists and has always existed and that permeates everything in the infinite universes of Creation, the energy without which nothing could occur, nothing could evolve, change or even form itself. Everything that exists, everything we see, touch and possess, is a consequence of energetic acts and these are found at the root of everything. When God had the idea to create infinite universes, He didn't have to create infinite forms, whether animate or inanimate. It was sufficient to think about energy and it came into being, and within this, ALL POSSIBILITIES, all wonders were born, and are continuously granted to us by nature.

It is, quite simply, very strange that uncountable thinkers have never managed to go beyond Aristotelian reasoning in observing the world around them. Because they have fixated in the idea that energy is the fruit of matter, they have, thus, never been able to arrive at the real core of the issue. All of this has had its conclusion in creating what we know today as Physics, which lately

seems to be somewhat like a leaky boat letting in water from all sides. For example:

1) Physics does not have a definition of what this "something" called Energy could actually be. This originates, at least in part, from the fact that electromagnetism (EM) is based upon the idea of a material ether. Interestingly, in their famous experiment back in 1887, the American scientists **MICHELSON** and **MORLEY** demonstrated that this material ether, in fact, did not exist. But contrary to what should have happened, the EM model has NEVER been revised or even corrected.

2) Staying with this model for a moment, it is not possible to find a definition for what CHARGE is, or POTENTIAL.
The thing gets even more complicated when we speak about FORCE FIELDS. Since 1959, we have known that quantum theory arrived to the conclusion that force fields are nothing but THE EFFECT and not THE CAUSE of those phenomena. And we should add that in a physical system, the force fields only exist in the CHARGED MASS PARTICLES and, therefore, the primeval cause of all phenomena turns out to be the POTENTIAL.

But there is more.

3) The ELECTRIC CHARGE OF AN ELECTRON is not known because it has already been demonstrated that this charge is not CONSTANT as scientists believed, but that it changes with the variation of the POTENTIAL in which it is placed – a potential with a different value from the POTENTIAL OF THE ENVIRONMENT.
And if we believe in **EINSTEIN**'s famous equation ($E=mc^2$), we will see that a force field cannot exist in a vacuum as there is no mass (m). Therefore, in a vacuum, there are only POTENTIALS and POTENTIAL GRADIENTS, and the EM waves in a vacuum are not waves coming out of FORCE FIELDS (as claimed by the classic EM theory) but instead, OSCILLATIONS OF THE POTENTIAL and POTENTIAL GRADIENT VALUES.

4) And worst of all, Classic EM is based upon the equations known as the **MAXWELL** EQUATIONS. But very few researchers know that these equations are, in fact, **HEAVISIDE** equations.

MAXWELL developed the electromagnetic theory by applying a mathematical technique called QUATERNION CALCULUS, a completely mathematical method. But two other mathematicians, **HEAVISIDE** and **GIBBS,** concluded that quaternion calculus was too complex and difficult and decided to simplify the theory by taking out the scalar part from the quaternion, thereby reducing it to its vectorial parts only (a quaternion is a mathematical entity comprised of a scalar parcel and three three-dimensional space vectors). This mutilation led to the development of VECTOR CALCULUS, and scientific progress was held back more than a century.

5) But there is even more distortion in the concepts of Physics. For instance, Newton's First Law can be stated as follows: "An object, once set into permanent motion, remains perpetually (uniformly) in such a state of movement until it is modified by an external force." Therefore, for more than a century, Physics has claimed that perpetual motion has no way of existing. ISN'T THAT RIGHT?

As can be proved, one has only to release something from a spacecraft in space and this something will continue at the same speed forever. The current decay time in a closed ring superconductor is, according to experiments, more than ten years; theoretically the decay time is more than ten million years.

If the law of perpetual motion did not exist, there would be no stability in the Universe. Everything would be floating at random and the observable Universe would not be able to exist.

If forces act continuously upon an object in motion, these forces must be conservative and add to zero around a closed cycle, constituting what we know as a "CONSERVATIVE SYSTEM." A conservative system remains in motion, even when its motion as describe in the "first law" is continuously changed. This is the perpetual motion of the second type.
A number of scientists, physicists and thermodynamics researchers recognize perpetual motion according to Newton's Law: "As a consequence of Newton's Law, an isolated system in motion, upon which act forces or torque, exhibits exactly the perpetual motion of the

second type." One example of perpetual motion of the second type is electron orbit around the nucleus, and this perpetual motion is common at both the atomic and celestial scales. This type of motion is, obviously, not common in our daily life; the best example would be superconductivity where a current circulates inside a conducting ring without stopping, and has no need of batteries.

As one can see, Physics continues to face a number of difficulties, and it will be impossible for it to emerge from these conundrums since its philosophical underpinnings are wrong. It has been so for millennia because of the essential Aristotelian mistake.

Dr. **NORBERTO KEPPE's** ingenious intuition helps us to put things back in the right order. By disinverting Physics, we finally arrive to the obvious solutions that have been staring us in the face all the time, but that scientists and researchers were incapable of properly understanding and assimilating. The first cause is ENERGY at its most diffused and universal, energy Dr. **KEPPE** calls SCALAR, for it contains no vectors or all vectors at the same time resulting in zero. The zero does not mean an absence of energy, but energy with a zero vector sum, and a zero that is merely mathematical not physical, because when two opposing forces in the same line of action act one upon the other with the same intensity, the mathematical sum would indeed be zero, but physically, the two forces continue to exist and act.

Dr. **KEPPE's** reasoning helps us to powerfully begin to understand reality through a new perspective and constitutes one of the greatest and most remarkable discoveries, opening new and infinite fields for a humanity that is always more eager for life.

And what is LIFE, if not ENERGY…

São Paulo, August, 2005.

SALVATORE DE SALVO
International Scientist of the year 2001 -
International Biographical Centre of Cambridge, England

Dedication

I dedicate this book to the physicists, biologists (geneticists) and metaphysical researchers clamoring for help because the researchers in the so-called social sciences have shown a certain difficulty in understanding my work – precisely because it is largely based on Physics, the "King" of all sciences. It is for this reason that I strongly believe those who love Physics are most easily able to understand my work. Yet, Physics in its postulates has followed Aristotelian metaphysics almost without variation. This would be fine if only these postulates were correct. But, the Stagirite's philosophical reasoning was inverted and then passed on to modern science, which is why I wrote this book trying to correct what I could. I have the impression that few scientists realize that they are strongly influenced by a philosophical system. Five years ago I published the book *Trilogical Metaphysics* where I tried to disinvert the Greek thinker's ideas, and now I am applying them to science. When a researcher bases his work on incorrect principles from the start, everything he does from that point on will follow suit.

When scientists began to synthesize what they called organic substances at the end of the 19th century, they began to think that there was no vital principle behind living matter. This idea persists until today, which is why researchers insist on drawing energy from matter ($E = mc^2$), and not the opposite as was previously believed to be logical and feasible.

Can we really say that a particle is the tiniest building block of matter, or might it not be a glowing manifestation of the force field of the

atomic nucleus? If it were otherwise, it would not disappear from the field of view inside a cloud chamber. If this is so, then all the fundamental ideas of Physics would need to be modified. If protons, electrons and neutrons were particles, they would not "melt" in the air, for energy, which is transformed into mass, takes a certain time to arrive to its final decomposition. If these glowing manifestations are bright spots of forces forming matter, we must conclude that the huge cyclotrons are inappropriate devices – unless the researchers in this field begin working with energetics (like the simple Tesla induction motors), because the particle accelerator aims to perform the opposite process, transforming what is secondary into what is primary and causative.

Often a physicist comes up with somewhat "miraculous" ideas about the material phenomena he studies; if these phenomena were seen as energetic they would be easier to understand. That which is viewed with great admiration as coming from the physical realm, is in fact all about energetic vibrations. When a physicist refers to particles billions of times smaller than those we know, he has surely entered the world of fantasy. Albert Einstein himself took 20 years to complete his Theory of Relativity; scientists' difficulties could be reduced if they had good knowledge of philosophy and theology.

In the 1960's while in Vienna, I wrote a book entitled Integral Psychoanalysis, where I sought to unify man in all his aspects: matter and form, substance and accident, essence and existence, potential and action, as set forth by Aristotle in his metaphysics. Now in the 1990's, my intention is the same. But this time, after succeeding in disinverting Aristotelianism, as well as Physics, biology and psychopathology itself, I am trying to show that this feat would not be possible without the process of *disinversion*[1] – and the inclusion of a third element (the Essential Energy) which comprises all that exists.

[1] Disinversion – according to Keppean psychopathology (and contrary to traditional psychoanalysis), the unconscious is an artificial element in our psyche created by the pathological process of "inversion," discovered by Keppe in 1977. To return to sanity, one has to conscientize his/ her inversion, and consequently, "disinversion" is the very process of "conscientization."

The time has come for mankind to learn how to deal with the most elevated elements of his personality, that is, with that which constitutes man's essential structure, called energy by Physics and soul or substance by metaphysics. In other words, we must urgently begin working with what is truly authentic within us (emotion and ideas) in order to finally live according to true reality. Since 1976 I have been writing about man's most pressing problems which are linked to social economic power. And because of this, my work has been neglected by the international media, who are controlled by an international command center, which manipulates the directors and editors of the principal newspapers and television networks in the Western countries (and Japan). I hope that with the arrival of the third millennium this sad dictatorial repression of reason is overthrown, so that finally a true civilization can take its place and mankind can live in dignity.

Important note: Throughout this book I capitalize the P in Physics to distinguish my usage from the common materially-oriented meaning of the word and especially to underscore its importance in this book in relation to the other sciences.

Prologue

I have written 22 books about human and social pathology. In this one I analyze the experimental sciences and the phenomenon of inversion as it applies to the study of Physics and biology (especially genetics) so that there can be a better understanding of psychopathology, and as a consequence, sociopathology in the second millennium. In my research on the relationship between Physics, biology and psychology, I have noticed that I was right on target with my previous hypotheses about pathology —which is that the fundamental problem is man's opposition to the energetic vibration at the center of life, an attitude which impedes/destroys the functioning of the DNA within the cells, causing the RNA to fabricate an artificial psychogenome, and resulting in disease, corruption and death. Geneticists call this process reverse transcriptase, when RNA-based viruses (retroviruses) replicate themselves to form a kind of anti-genome. An identical phenomenon occurs in substantial vibration, where authentic *psychotypes*[2] are replaced by artificial ones, generating an inverted psyche with inverted emotions and ideas.

This book is an attempt to unify Physics with biology and psychology under the inspiration of metaphysics, in order to arrive at a true understanding of man. To understand ourselves, we have to not only understand these scientific disciplines, but we must formulate correct ideas within them. We are also obliged to understand the ideas in other fields; for example: psychology is based on biology and Physics and inspired by metaphysics; to understand biology we must understand

[2] Psychotype: According to Keppe's theory of Transconscience, psychotypes correspond to universal ideas captured by the human consciousness, which are expressed in terms of individual, social, cultural and religious behavior.

Physics and psychology (one need only read David Bohm's: Causality and Chance in Modern Physics*)* and above all, the superior orientation of metaphysics. Physics is practically speaking the study of the energy of matter, while biology is the study of living organisms and metaphysics is the specialized study of the human being. My intention is to demonstrate the need to unify one field with another, so that the complete scientific context behind each can be understood.

Regarding Physics as the study of matter greatly reduces its scope, despite the fact that energetic studies were developed with the discovery of the atom. A science studied alone becomes tedious and arid because it is incomplete and incomprehensible; on the other hand, an excessive mathematical approach led to the construction of a science that was almost parallel to the true one. It even seems that God created Physics and the devil, mathematics to prevent the planet from developing! Nevertheless, both Galileo and Newton wanted to unify mathematics with physics to better understand it

The modern scientist thinks if he does not follow dogmas he will not see that he is doing precisely that, or rather as long as he does not realize that he is dogmatic, he is not; he criticizes the attitude of philosophers and theologians who speak about science, forgetting that he constantly meddles in philosophy and theology. I believe that present-day science, because of its huge scope, contains more dogma than any religion of the past or present. This is why scientists become so annoyed with theologians who give them enormous consciousness of their own dogmatic attitudes. All work, whether scientific, artistic, literary or sociological, reflects the philosophical and theological ideas of the author.

Many have the idea that philosophy is useless, believing that philosophers are out of touch with reality, and there is a reason for this if philosophy is considered in isolation. Similarly a scientist can even become dangerous if he does not take the value of philosophy and theology into consideration. If a researcher gives value to these three fields of knowledge (science, philosophy and theology) he will make enormous progress. For a science to be authentic, the fundamental errors in the human mind must be corrected. Only then will it be possible to solve society's problems.

By perusing this book, the reader will perceive not only the magnitude of Physics, but also its extreme simplicity, as long as his ideas do not become too mathematical. Mankind must urgently disinvert itself and put the fundamental first, entering into a new cosmic civilization, where energy will govern movement

Because Metaphysics is the third level of mental abstraction (above physics and art), it is a way to coordinate and develop our thinking. Similarly, Physics is the study and discovery of energetic laws as they manifest on the physical plane and art the connecting element between the two– and not mathematics (as Aristotle believed), which is the result of frequently erroneous deductions made because the scientist did not conscientize mistakes in his reasoning.

Introduction

Ever since I received a degree in philosophy – the basis of which was Aristotelian metaphysics – from FAI (Faculdades Associadas do Ipiranga) and Catholic Pontifical University, I have been trying to convey that the process of knowledge is spontaneous and that science comes from act (which is the whole) and not from something potential (which is partial). Therefore, this book investigates what I call *psychoenergetics* and *psychogenetics*, the study of an underlying energetic factor, and the transmission of psychological elements in the human being – indeed psychotics carry abnormal psychotypes (and neurotics clearly less.)

In order to understand Physics, we have first to grasp all the energetic elements that are involved in magnetism, and its immediate derivatives: electricity, electronics (force and motion, light, chemistry, time and space). Everything that exists is energetic vibration in its structure, also appearing in gaseous, liquid and solid form. The same energy that elaborates time and space constitutes the human being; that is the reason why we are living inside them. Physics is a fundamental science whose laws have immediate universal application, if they are properly understood in its true dimension.

This book is divided into seven parts, with the three first ones related to the study of Physics; for the readers who are not acquainted with this field and have no patience to decipher it, I suggest they go to the four last ones which deal with the human and social pathology arisen from the vibratory and energetic element of that science. I also show that it is not necessary to unify the phenomena in Physics, but just to discover how they are already unified in their origin (the fifth part). Next,

how there exists a close relationship between genetics and Physics, the latter being the way to know not only biology, but psychology itself – closing the cycle of knowledge with metaphysics (sixth and seventh parts). In general, I am trying to show the existing identity among Physics, biology and psychology.

Experimentation alone is not enough to explain all the phenomena encompassed by a science, so that the researcher has to resort to the deductive area of his habit of thinking in order to make comparisons and to succeed in comprehending well the significance of the experiment. The modern researcher has to perceive that a question of science, philosophy and theology is just a matter of dimension; in comparison with Physics science would be similar to movement, philosophy to magnetism and theology to electricity. As we know, movement is typically human, magnetism already involves a greater dimension (dealing with strange factors), and electricity the great dynamo of action that affects everything – - although the order appears to us to be reversed!

In order for the intuition to function properly the individual needs to have his mind in order, and for that to happen the conscientization of errors is fundamental. Therefore, there is no other way out but the knowledge of psychopathology, so that the psychopathology does not impede the existence of truth. It is from the perception of the negative aspect that the positive arises, because merely the fact of noting its "existence" obliges the individual to search for the true element--that is to say that he had already been living in what was right, which was precisely what led him to recognize his mistake. Psychological life, being energy, has a dynamism which is unimaginable at first sight. The complete understanding of a phenomenon causes great satisfaction, because it lets into one's inner self both external facts and especially those of one's inner life; it is the best way of relating to a perfect and pleasant reality, so attacked and destroyed by the intransigence of those who have risen to power.

PART – A

The Fundamental Inversion of Physics

A1

The Fundamental Mistake in Physics Is of the Equation of Energy with Matter

I believe that the greatest and most fundamental mistake made by physicists is the idea that energy derives from matter, leading Einstein to make one equivalent with the other in his famous formula $E = m c^2$ (Energy equals mass times the speed of light squared). He reasoned: if the mass of a body increases with speed, and motion is a form of kinetic energy, then an increase in mass would cause a proportional increase in energy. Note that Einstein reasoned erroneously in believing that energy is a byproduct of matter.

Physics commits the same mistake as Darwin's evolutionism, Adam Smith's capitalism, Marx's socialism and Freud's psychopathology. In short, modern science has been practicing this form of reasoning since it broke with its metaphysical foundations. To clarify: contemporary thought has stopped following a logical sequence in analyzing the facts, as if everything comes from nothing and specifically that energy originates from matter If this were the case, where, then, would matter come from?

There is a misconception here, because everything that exists comes from somewhere, and this element is energetic. Through resonance, this energetic element not only gives origin to matter, but sustains it permanently in the space and time within which it was created. We must not forget that the quality of resonance determines whether the composition of the element is of a superior or inferior order.

Aharonov and Bohm called this fundamental (scalar) energy “quantum potentials,” inspired by Aristotle’s inverted metaphysics and his study of potency and existence, as if the latter came from the former. In my last book Trilogical Metaphysics volume II, first edition, pages 15, 16 and 17, chapter 1, “The Science of Physics reflects the Psychopathology of the Physicists,” I clarify this subject, showing that the classic theory of electromagnetism ∇ x **A** = **B** *(operator Nabla [∇] times the vector magnetic potential [A] is equal to the vector magnetic flux density [**B**])* is erroneous (inverted) because it establishes that electromagnetic energy [**B]** comes from something inferior [**A]**.

The definitions of scientific phenomena are extremely restrictive because they focus only on what can be seen in the moment, without searching for a cause or meaning; I believe that it is impossible to practice science without knowing the phenomena behind it, and these phenomena are found in philosophy and theology as well. Modern science has made even greater mistakes than the “philosophers” and “theologians” of the Middle Ages because it has separated the fundamental and deep elements of knowledge from philosophy and theology. Today, the scientist observes a phenomenon and comes up with an explanation out of his own head, which sometimes makes no sense whatsoever and often eliminates the previous causes which truly determined the fact in the first place. In Physics, this led its practitioners to elaborate superficial theories, most of which have nothing to do with reality.

The confusion caused by Einstein when he equated matter with energy has greatly reduced the understanding of these phenomena in Physics, especially those regarding electricity. Einstein replaced the term *quantum*, created by Planck, with the term *photon*, which would be a unit that is half matter and half energy. In my research I believe this phenomenon is a direct result of scalar energy transformed into a palpable force – an element coming from energy. The burning of wood explains very well how matter can release the energy that forms it (an extra material element) as if it were a kind of soul that comprises it. Fire is energetically much stronger than firewood, and as we know, the inferior comes from the superior, and not the contrary. Similarly, in an

atomic explosion we note that the released energy is much greater than the enriched uranium.

On page 34 of Neil Ardley's Dictionary of Science we read that "many of the atoms that make up your body were once part of a distant star that exploded long ago." This is an inverted idea. To the contrary, the mass which forms not only our bodies but also matter is formed continuously by a constant energy which continuously creates billions of atoms per second. The physicist has the unique privilege of being able to observe in his laboratory the beginning of such a momentous event. This includes being able to see through his electron microscope the building blocks of matter. This is evidence of our connection to Aristotle's so-called primary First Mover through essential scalar energy. It is clear that any motion, such as simple natural or artificial light, demonstrates this phenomenon.

A2

Physics' Mistaken Belief That Matter (Particles) Is the Fundamental Building Block of Everything That Exists

Chemist John Dalton (1766 – 1844) could not explain how particles of matter (salt, sand, dust) moved, for they seemed to move of their own accord. When researching water, Joseph-Louis Gay-Lussac noted that two volumes of water vapor derived from three (H_2 + O). This seemed to him to be a mathematical absurdity (2 + 1 = 2). This is an example of how mathematics was taken to extremes by Isaac Newton and Galileo Galilee and an example of how scientific progress was impeded, not only because of the extreme rigidity of mathematics, but also because it is more limited than Physics itself.

Amedeo Avogadro (1776 – 1856) wanted to perform a kind of "magic" in order to preserve Lussac's idea. He argued that if two plus one could not equal two, then two molecules of hydrogen added to one molecule of oxygen would form two molecules of water ($2H_2$ + $1O_2$ = $2H_2O$). Subsequently, he claimed that whatever the molecule, it would always occupy the same volume. As we can see, those mistakes were made because of the inverted idea that all phenomena are based on physical particles.

Joseph John Thomson (1856 – 1940) observed that by applying electricity to cathode rays, an electric current was formed through the gas, appearing as a fluorescent glow under low pressures of 10^{-4} or 10^{-5} Torr. British researchers believed that radiation occurred through

particles, while the Germans (Hertz) believed that it came about by means of electromagnetic waves. Thomson showed that the rays were deflected if a magnet was placed near the tube – completely revolutionizing the philosophy of the atom.

In my opinion, this confusion derives from the belief that the physical realm produces force, and not that there is only one single substance, and that particles are instantaneous creations of this essential force (first observed by Tesla and also called scalar); so much so that some scientists refer to them as particles (the English), while others refer to them as waves of energy (the Germans). Significantly, Thomson tried to evaluate the particle masses of these rays, arriving at the conclusion that they were smaller than any atom. He called them electrons, responsible for electricity; and gave the idea that the atomic nucleus was formed by negative particles (electrons) imbedded throughout a diffuse sphere of positive charge just like raisins in a plum pudding - the reason why this was also called the "plum pudding" model. This was the prevailing hypothesis of the time.

Ernest Rutherford (1871 – 1937), Joseph J. Thomson's student, noted that this radiation passed through metal plates, negating his mentor's theory. Not wanting to contradict him, the New Zealander explained that the atoms of metal were almost devoid of matter. He compared this new model to the solar system, placing the proton as nucleus. In my opinion this emptiness is powered by the greatest energy of all which incidentally generates the particles that surround it. However, Rutherford said that the diameter of the nucleus should be 10,000 times smaller than the atom. This is an inverted idea, which the physicist set forth *a priori* instead of better researching the phenomenon.

Following the discoveries of Henry Becquerel, this physicist placed a magnetic field in the trajectory of uranium radiation, leading it to split and take opposite paths called alpha and beta. This confirms my idea that scalar energy carries within itself forces of attraction and repulsion, which propel the particles of matter in the same direction. The same happens with: 1) positively charged alpha rays (like the proton), 2) beta rays (identical in function to the electron) and 3) gamma rays which act electromagnetically producing light (like neutrons). Rutherford even succeeded in transforming one element into another, such as nitrogen

into oxygen through alpha radiation, and boron into potash. His explanation was that by bombarding the nucleus, there would be mutations and disintegrations – not because it was formed by particles, but because a new type of element was formed by altering the energy of the nucleus. This experiment proves the modern definition of mass: a scalar resonance imprisoned in a determined location.

Niels Bohr (1885 – 1962) worked with Thomson and Rutherford, accepting Max Planck's quantum theory and his acceptance of the wave-like nature of radiation. He compared the microcosm to the macrocosm and showed that the planets would be like electrons holding the radiation of the nucleus. I have the impression that the relatively correct path that Physics was following at the time was thwarted by this Dane. Because after that, scientific explanations followed the path of uncertainty with Werner Heisenberg and Erwin Schrödinger who tried to transform wave mechanics into quantum mechanics.

It seems as if the microcosm imitates the macrocosm, and this means that the motion of particles is similar to the motion of the planets and other celestial bodies which orbit around the sun. However, the difference is that there is an enormous (scalar) energy which holds each element in its proper position. Indeed, Newton himself affirmed that "it is not the motion of the celestial bodies that generates the force of gravity existent in the stars and other bodies, but this latter is directly derived from energy."

Ernest Lawrence (1901 – 1958) built the first particle accelerating cyclotron because of the belief that energy and matter were equivalent ($E = mc^2$, according to Einstein).This enormous machine allowed them to identify new subatomic particles (positron, quarks) and led the physicists to return to the original idea that matter was the origin of the atom (Dalton, Avogadro, Thomson and others).

A3

Energy Is the Beginning and the Origin of All Reality

Energy is what constitutes the nucleus, the origin of all reality, and all studies must begin with this principle. I believe that all research should be grounded in this fact in order to achieve valid results. Energy, being fundamental, is the substance that comprises the physical structure of everything that exists, whether material or spiritual. One analogy, though somewhat tortuous, is of the artist who wishes to sculpt a figure out of a block of marble–only that in nature the matter which he uses (the marble) already pre-exists as a consequence of this formative energy. On the other hand, if substantial changes do occur, we must admit that it was energy that acted upon it to change it.

Aristotle thought that matter was the potential element, which could be transformed through the sculptor's work into a particular form, forgetting that matter itself is already a consequence of the energetic factor which has a structure (form) of its own. Certainly, it can be turned into something artificial: monuments, columns, etc., or better, into another form – just as one chemical element can be transformed into another (a substantial alteration).

In order to grow, plants need light and heat, which then is transformed into chemical compounds – showing how an initial force transforms itself into chemical energy. An identical phenomenon occurs when we eat, when the chemical energy within the food brings warmth and kinetic energy to the body. The correction I make in both cases is that essential

scalar energy penetrates the vegetable and human cells (through the nucleus of the atom) forming and sustaining everything that exists. When we study these phenomena in the Physics of energy, we get the impression that we are dealing with something marvelous and even miraculous.

"The object of natural philosophy is the being which moves." *(*Cosmology*,* V. Remer, page 1). This idea reveals the importance of motion; but, on page 64 the author makes matter prime as if it could not be created or corrupted, following Aristotelian thought about the perfection of the celestial bodies (their eternal nature). It is fundamental to realize that the energetic element cannot exist except in vibration. Indeed, this energetic element is pure vibration, impossible to be known in its entirety - and able to manifest itself in the most varied forms in accordance with the various scalar resonances. Aristotle would have been more correct if he had considered essential energy to be the most enduring element.

After researching the photoelectric effect and Brownian motion, Albert Einstein published his Special Theory of Relativity in 1905 and the General Theory of Relativity in 1915, noting that the speed of light was unchangeable even if the source or the observer moved, and that objects are not at rest because they move in relation to one another. The scholar based his research only on external motion (which is always a consequence of internal motion), which is why his scientific vision was restricted. Everything that moves has energy-not only what is clearly in motion-but every passive object is also charged with energy whether it is in motion or not.

Physicists' belief that energy comes from matter is entirely wrong: 1) because energy, the primary, is superior to matter, the secondary, and, 2) if it were so that energy did come from matter, the material element would experience exhaustion much more rapidly than it does in reality. Thus, we must question $E = m c^2$. Contrary to what is commonly believed, the more a mechanism captures energy, the longer it lasts and the stronger it becomes. Energy becomes matter without ever abandoning its energetic state, which, in fact, sustains it. When wood is burned, it releases the energy that forms it, generating heat above and beyond its own material structure, or rather, as the wood burns, the

scalar electromagnetic gravitational energy is able to manifest itself. Wood turns into ashes and carbon dioxide (CO_2); just as in an atomic explosion enriched uranium turns into dangerous waste.

The nucleus of the atom is made of pure energy which is transformed into protons, electrons and neutrons, and each particle (proton or neutron) weighs approximately 2000 times more than the electron which holds it. Not to mention that the electron orbits around protons and neutrons, keeping them within the nucleus. The electron moves around the nucleus, therefore we must admit that the electron comes from the energy that forms the nucleus. The idea that the electron orbits the nucleus without being moved by any other source of energy is analogous to the idea that human beings are born without father or mother. Even orbital elements are the direct result of scalar energy which exerts a vibration of repulsion or attraction in one direction or another.

The electron, which is negatively charged, forms a net, or so-called zipping mechanism, which prevents the scalar energy from escaping, In the case of atomic fission, the electron's function is disrupted and the scalar energy expands tremendously leaving behind the residues of the magnetic-gravitational orbital elements (neutrons, protons and all of the sub-particles). The proton is positively charged and serves as a balancing element between itself and the electron (through the neutron), securing the power of the atom.

The traditional idea of Physics is that the nucleus of the atom liberates energy if it breaks apart, such as in fission, or when it combines with another nucleus, such as in nuclear fusion. "The nucleus loses a little mass, which changes into energy" (Dictionary of Science, Neil Ardley, page 68) – as if the greater could come from the lesser. What happens in fact is that the scalar energy which had been contained by the orbital forces is liberated, becoming greatly imbalanced when its natural state (the law of nature) is disturbed. Even if the atom (along with the sub-atomic particles) is the tiniest element of matter, it is still a by-product of energy. Matter must contain scalar energy and is sustained by the motion of electrons, protons and neutrons. Atoms are the building blocks of everything that exists in the universe.

A4

Disinversion Can Resolve all the Problems of Physics

One of the greatest aspirations of scientists is to discover the fundamental element that everything in the universe is made of – and because of our inverted way of thinking we believe that matter is this element or, for example, atomic particles, as physicists believe. They clearly state that everything is basically formed by sub-atomic particles and by the collision of these particles, new elements are created, this being the process by which everything that exists was created. Let us not forget that the study of these particles is called high energy Physics. Why not then admit the possibility that such an idea could be inverted and consider the alternative - that is, that energy is fundamental and that the particles are its byproduct? Is it worth it to spend so much money on particle accelerators (cyclotrons) if they can never achieve the impossible unification of particles?

Physics has discovered that the universe is made of particles; however, if there were not a fundamental energy to unite them, then nothing would exist – not even the particles themselves. I believe that any external motion has its beginning in this initial nuclear vibration (energy) and then moves outward toward an external field. In our psychological life, this phenomenon can be likened to the way man structures society in accordance with his thoughts and feelings: and the laws and customs of society in general.

What we see here is an inverted idea that predominates and affects all fields of knowledge, including Physics – which is why there has not been greater development in this field. I believe that this science must be

disinverted so that it may finally produce its fabulous fruits. I am raising ideas which are fundamentally opposed to those of traditional science, with the hope that finally a number of mysteries will be solved, and humanity will once again find its true path. There is an urgent need to disinvert the direction that our knowledge is taking so that we can follow the true path to reality.

It is astonishing to see how little people know about the laws of Physics, creating great confusion by acting incorrectly, stepping onto slippery ground, balancing precariously and not even knowing how to operate cars and other machines. It seems as if people don not even know how to judge weight or distance, as if they were totally unaware of the simplest rules of life. There is nothing as harmful as a wrong theory, just as there is nothing as beneficial as a correct theory. The former causes endless damage, while the latter exalts and improves man and civilization. There is a big difference between acting in accordance with the laws of nature (to benefit society as a whole) and acting in accordance with one's own interests, which will produce mostly poor results.

I am of the opinion that the beauty and grandeur of Physics has yet to be discovered and if this has not yet happened it is because it has been on the wrong track. What has been accomplished is not even 5 percent of what is possible in this king of all sciences. In the fifth and sixth centuries B.C., Democritus came up with the idea that the atom would be the generating element of everything that exists, invisible, indivisible and eternal. If the nucleus of the atom were seen as pure energy, then his idea would be right (except for the transcendental realm).

The Neil Ardley Dictionary of Science states on page 68 that, "energy can be neither created nor destroyed; it can only change from one form to another. This law is not true for the production of nuclear energy, in which mass changes to energy". Note that the author touches on the subject of the perpetual nature of fundamental energy and at the same time, he commits the big mistake of equating matter with energy – even if we admit that the former is the result of the latter. Energy cannot be "created" or "destroyed," only transformed from one form into another. This principle illustrates that life itself is a form of energy, dying when it stops receiving it. As the atom is the fundamental element, it is the first

receptor of energy which is then transferred in turn to the body which is made of it. Taking this into consideration, we must admit that matter is a byproduct, which lasts only as long as it receives this primordial force.

I believe that both the proton and the electron are the first two manifestations of the scalar energy which comes from the nucleus of the atom, and the neutron is the result of the balance between these two forces of attraction and repulsion, whose purpose is to secure the components of the atom. All energy originates from a single source, which later manifests doubly. Whether hydroelectric power, so-called “atomic energy”, solar energy, or energy from coal or firewood, the process is basically the same.

PART – B

Energetics

B1

Physics Should Be Referred to as Energetics

The name Physics is erroneous, because matter itself is the result of scalar resonance imprisoned in a particular locale, which means that it is the consequence of an energetic vibration, therefore the name of this science should be Energetics. This inversion has caused great damage, because anyone who becomes interested in this field is influenced by this false idea. From the start, in all Physics books energy is typically linked with motion. As a matter of fact, 22 chapters in the Neil Ardley Dictionary of Science deal with this subject.

Einstein's enormously influential theory of relativity attempted to explain all phenomena through movement. To a certain extent, he followed in the footsteps of Danish physicist Neils Bohr who believed that energy came from the stars. I believe that energetic power originates in space and this energy sustains and moves the solar systems and galaxies, as if the universe had a kind of "soul." The very movement of the celestial bodies shows the existence of a *dialectic*[3] within scalar energy, requiring two planes, or two poles (north and south, gravitational and magnetic). In order for these forces to work, they must always mesh in a circular

[3] Dialectic: in Keppean new Physics, dialectic means the interaction of the two most basic forces derived from the Essential Energy: attraction and repulsion.

motion. That is why the lines that Einstein referred to were curved, not straight.

In 1881, the American physicists Michelson and Morley performed an experiment with the speed of light on earth and found that it was constant in either direction--whether going in the same direction or opposing the rotation of the earth. Einstein believed that the speed of light was the universal constant he was looking for, and he used it as a starting point in all his analyses of motion. Both Newton and Einstein believed that energetic systems derived from physical bodies in space – and not that these bodies move in accordance with the essential forces that move through the nucleus of each atom. This being the case, the suns, planets, comets and asteroids all travel together in harmony with scalar and orbital (magnetic gravitational) energies as a consequence. Einstein's big mistake was believing that motion originates from particles ($E = mc^2$). It seems as if the hardest thing for physicists to do is to disinvert the idea that matter is the source of energy, denying that every body contains both aspects.

Isaac Newton thought that gravity could not be explained by the motion of the celestial bodies alone, and that it came from energy. This fact is easily observed when iron filings which are thrown towards a magnet, immediately form a round pattern. Einstein believed that the trajectory of any body in a gravitational field is determined by its geometry, and that energy and matter do not exist independently of one another, and furthermore, that a superior element not only determines the (physical) life of the body but especially the force fields. Of course there must be a connection between the two, which Aristotle called a substantial union (matter and form). The curving of lines occurs because nothing can exist without opposing forces, which are always paired. This is why parallel lines never meet.

Einstein's conclusion that energy equals mass times the speed of light squared ($E = mc^2$) suggests an inverted idea, as if energetic force could derive from matter. I would like to correct this fundamental mistake and clarify that the particles themselves are the result of an atomic fusion between the forces of attraction and repulsion, which can be noted in the behavior of protons and electrons, resulting in that which Nikola Tesla

called scalar resonance. Indeed, Newton's Third Law of Motion establishes that forces always act in pairs known as action and reaction.

Protons and electrons are the first particles manifested by essential energy within the atomic nucleus, while neutrons are the first balanced force. They begin the action of the magnetic current, the source of all motion in the universe. The awareness that the basic atomic element is energetic is key, and because this occurs with all bodies, we must completely change the direction that scientific research is heading.

All magnetic processes can be divided into two types of force: attraction and repulsion. This occurs throughout the universe and keeps every celestial body in its proper place. To a lesser extent, man-made satellites are kept orbiting in space by the same force field. If electrical energy was transmitted by electrons, things would wear out rapidly, not only the transmitting cables themselves but also the force, due to its material origin. This is why Tesla built transformers which formed a new force field by contacting the magnetism in space.

Note: The way I see it, protons, electrons, neutrons and other sub-particles are energetic elements, which later become mass.

B2

There is an Identity Between the Induction Motor and Nature Itself

In 1791, Luigi Galvani noted that a frog's leg twisted when touched by two types of metal which were interconnected with one another. He thought that the animal produced electricity, and not that the contortion was caused by a chemical reaction between the two metals and the frog's nerves and muscles. In 1800, Alessandro Volta used this discovery to invent a "voltaic" battery which produced electricity. He placed round pieces of two different metals (copper and zinc) along with cardboard in a solution of salt or weak acid (vinegar) – and made the first battery that produced electricity.

In 1820, Danish physicist Hans Oersted passed an electrical current through a wire, magnetizing it and causing it to point north. This fact suggests the connection between magnetism and electricity or, rather, that each element cannot exist without the other, because they both derive from scalar energy which is charged with the forces of attraction and repulsion. The following year, British scientist Michael Faraday discovered that in fact there was a connection between electricity and magnetism, building the first motor, an apparatus where a wire spun in the presence of a magnetic pole.

In 1888, Nikola Tesla invented the electric motor which we still use today. He wound a wire around an axle and enclosed it inside another coil. The current flowing through the outer coil produced an alternating magnetic field in each coil. The two fields push and pull on each other

causing the inner coil to rotate and drive the shaft of the motor. Note that traditional Physics speaks about the production of a magnetic field, which I explain as being merely the capturing of an energetic element that already exists in great profusion throughout the universe. What happens in the motor is identical within nature, because we continuously receive energy that is manifested in us by our behavior derived from our emotions and thoughts. This, in turn, affects the magnetic and electrical field (matter).

An electric motor is "a machine that uses electricity to produce movement" (Dictionary of Science, Neil Ardley, page 112). I believe physicists have an inverted idea about these phenomena. In the induction motor it is believed that electrical current produces its own magnetic field, and then the two fields interact to spin the cylinder, pushing or pulling it. When the cylinder is connected to an axle or pendulum, it runs a machine. This shows how the motor captures the energy in space and transforms it into electricity.

There is no known device able to produce gravitational or magnetic, much less scalar, energy. Indeed, the latter is only captured when it is transformed into magnetism, which is why this type of motor must be used. We know that electricity is generated by the motion of coils inside a magnetic field, proving that the motion (of these coils) captures that energy and turns it into electricity. Fleming found that when a current flows through a wire inside a magnetic field it produces motion, according to some rules he discovered (Fleming's right and left hand rules), and this illustrates three factors: motion, the magnetic field and the current. The electric motor is basically a roll of wire suspended inside the magnetic part of a magnet or electromagnet. When the current runs through the coil, it captures the magnetic field, which alternately pushes or pulls, spinning the cylinder and the axle of the motor.

Electricity is formed through the motion of a material element in contact with magnetic energy. Traditional Physics teaches that the magnetic field is formed by electrical particles in motion. The atoms that have a magnetic unbalance between the orbital and spinning motions of their electrons constitute tiny permanent magnets (called dipoles), which together create the magnetic field (paramagnetism). Physicists also

believe that even stronger magnetic fields can take place when atoms possess unpaired electrons that spin in the same direction (ferromagnetism), as in the case f iron, for example. As one can see, Physics attempts to equate matter with energy, greatly reducing the superiority of the latter, which is the most important element in the universe. In this way, the fundamental laws of Physics, which are responsible for the functioning of all things, are not conscientized. The dynamo that generates electricity can cause the coil to spin around the magnet, or vice versa. But in either case, electricity is generated.

B3

The Composition of Each Element Is Determined by the Variation of its Energetic Field

Aristotle believed that everything was made of four elements: earth, fire, air and water. If we consider fire to be energy we will have a better understanding of how things truly are. In the 17th century Robert Boogle (1627 – 1691) perceived that matter had substance which was composed of smaller elements. Shortly thereafter Henry Cavendish (1731 – 1810) created water by igniting a mixture of hydrogen and air with an electric spark, showing that water was not an element but a composite. Swedish chemist Karl Scheele (1742 – 1786) produced oxygen and chlorine from materials which were unknown at the time; but it was Lavoisier (1743 – 1794) who demonstrated that air was composed of a mixture of gases. Humphry Davy (1778 – 1829) created a way to use an electric current to divide several compounds, forming potassium, sodium, magnesium, barium, calcium and strontium. However, the fact that both Cavendish and Davy could modify the structure of these compounds with electricity proved that their basic composition was an energetic vibration.

Heisenberg's beliefs were contrary to Democritus', who considered particles to be unchangeable. He said that "after Dirac's discovery, everything seemed different, for now one could ask why should a proton always be a proton, and not a pair of protons or positrons" ("Quest for the Past" Unification, A. Salam, P. Dirac, W. Heisenberg, page 100). Modern physicists believe that the knowledge of the past is wrong, thus

devaluing the fundamental contribution of metaphysics and the ancient science connected to it. I believe that immutable compounds are created according to their vibration, which can only become something else if there is a change in its energetics.

The structure of each element depends on its atomic vibration. Lithium has 3 electrons, sodium 11, potassium 19, rubidium 37, and so on. I believe that the fundamental composition of everything that exists depends on the vibratory energy of the atom.

NAME	ATOMIC NUMBER	ATOMIC MASS
HYDROGEN	1	1.01 gas
HELIUM	2	4.00 gas
LITHIUM	3	6.94 metal
BERYLLIUM	4	9.01 metal
BORON	5	10.81 metal
CARBON	6	12.01 solid non metal
NITROGEN	7	14.01 gas
OXYGEN	8	16.00 gas
FLUORINE	9	19.00 gas
NEON	10	20.18 gas
SODIUM	11	22.99 metal

The arrangement of the electron shells determines the type of element; for example, lithium is third in the periodic table of elements because it is formed by three electrons ; sodium is eleventh, potassium nineteenth, cesium fifty fifth, francium eighty seventh and so on.

	Atomic Number	Atomic Mass	Type
Thallium (Tl)	81	204.39	metal
Uranium (U)	92	238.03	metal
Bismuth (Bi)	83	208.98	metal
Lead (Pb)	82	207.19	metal

It seems as if the factor which determines the composition of an element is the number of shells (formed by the electron) which encloses the scalar vibration according to the amount of force within the nucleus. “No two substances are exactly alike, because their particles link together in

different ways" (Dictionary of Science, Neil Ardley, page 32). And if these particles unite in different ways it is because the scalar force resonates differently in each. Because matter is formed by atoms in motion, it is affected by all types of energy, especially that which is closer to its own type of resonance.

Physics believes that each particle possesses an anti-particle containing the same mass and an opposite electrical charge, or some other opposing property – and this hypothesis led to the idea that antimatter consisting of antiparticles, could be made in an accelerator. This confusion was caused by a lack of understanding of the two-fold action of the energetic element: attraction-repulsion or action-contraction, which is manifested in a material element (a different type of condensed vibration in a determined locale).

B4

In Physics, All Phenomena Result from the Spinning Motion of Energy

Nikola Tesla's (1856 - 1943) greatest discovery was that of the spinning magnetic field formed by the interaction between two or more alternating currents, allowing for the invention of the induction motor, and the polyphase system which generates, transmits and distributes electricity. Practically speaking, the famous Croatian physicist discovered how to use essential energy, which possesses a dual characteristic. I believe that the magnetism captured by Tesla's coil comes from a more basic form of energy (also known as scalar), which can also be called essential energy. In any case, the lesser must always come from the greater, and the greater can never come from the lesser, an immutable metaphysical law which must never be forgotten, .

The three most important principles are: a) energy itself, b) circular motion and c) the outcome which results from the union of the two. Energy, the first, is the most difficult to study because it is invisible and our instruments are only capable of registering its highest levels. The second, the circle, symbolizes motion, for there is no correct action that does not behave in this manner. This is why many people believe the wheel is the greatest discovery of all. And the third, the outcome, depends upon whether or not these fundamental laws are obeyed

First there is magnetism with its two types of force: attraction and repulsion. The first, gravity, pulls the bodies toward the center and the second pushes them outward, keeping them a certain distance away.

Everything is moved by the combination of these energies, from the nucleus of the atom to the gigantic galaxies traveling through space. The total speed of the earth, for example, is about 532 kilometers per second. It rotates at 1,600 kilometers per hour and moves around the sun at 32 kilometers per second. The entire solar system moves toward the Lambda Herculis star (constellation Hercules) at about 20 kilometers per second, 320 kilometers per second in its orbit around the center of the Milky Way, and the Milky Way in its turn approaches the Andromeda galaxy at about 160 kilometers per second. Indeed, we live inside a fantastic whirlpool of action which is the generator of life.

The electric motor works by wire wound around an axle, enclosed within another similar system called a bobbin. When current flows inside the first system (through the rotation of the axle) it captures energy from the magnetic field in each bobbin system (spiral wire) and generates electricity. Contrary to what physicists generally believe, I hypothesize that energy is captured directly from the surrounding environment, as also occurs with all other material, sensorial or psychological energies. Science has acquired the bad habit of measuring a phenomenon according to the intensity of its reaction, especially if it is capable of being easily measured by instruments. The Concise Dictionary of Physics, Oxford University Press, 1985, page 155, defines magnetism as “A group of phenomena associated with magnetic fields”; explaining further that “wherever an electric current flows a magnetic field is produced.” This is a completely inverted idea because electricity itself is produced by magnetism.

Matter cannot produce something superior to itself due to its inferior nature. For example, a magnet cannot generate magnetic energy, but because of its structure it contacts the magnetic field, capturing and retransmitting it. Electricity and magnetism are two sides of the same coin. I believe that in order to manipulate magnetism we must begin with movement, whether to produce electricity (which is most obvious) or even in dance where movement magnetizes the dancer, allowing him to spin quickly during a ballet or to dance for days (as sometimes happens during Brazilian Carnival). Here it is evident that without human collaboration it is almost impossible to enjoy what has been called free energy. The brain, as well as the whole body, functions in an

identical manner. Man must first initiate the movement in order to synchronize with and capture the scalar energy that exists everywhere.

We know that electrons orbit around nuclei, securing protons and neutrons as well as sub particles (quarks and leptons). The electrons appear to be shells containing negative charges, which I call repulsive or reactive, and they possess the same force as positive charges, their purpose being to control them. If this equilibrium is disturbed due to a loss or gain of electrons, it becomes transformed into an atomic charge or ions.

PART – C

Vibration

C1

My Understanding of Vibration Is Contrary to the Way We Commonly Think About Movement

Albert Einstein's Special Theory of Relativity compared time and movement with the speed of light, which is relative and secondary. I believe this theory is not based on the essential element, which is the vibration of energy. Today's physicists observe photons which move faster than the speed of light (E.P.R. paradox and Alain Aspect's non-locality experiment) – so therefore essential energy moves almost instantly from one point to the other in time and space. In fact, in experiments we observe electrons moving from one place to another without being able to measure their trajectory. In fact, physicists know that electrons move at about 2,190 kilometers per second. Einstein's theory became known as the theory of relativity due to the fact that it was based on the external movement of objects.

Einstein based his theory of relativity on the movement of celestial bodies, later expanding it to include other areas. He began with something secondary (resultant) and from it he elaborated a general principle. My theory seeks to explain the workings of the universe through an understanding of energetics, the fundamental underlying factor. The idea of the German-Jewish scholar was that motion generated a gravitational field (Einstein's principle of equivalence, the key idea of general relativity that gravity pulling in one direction is completely equivalent to an acceleration in the opposite direction), and

not that the accelerating body captures an energy which already exists – by the way, if this energy did not exist, movement itself would be impossible, not to mention spinning motors.

Newton's laws of motion are mechanistic, which means they explain things in a purely external manner. For example, he says that "if no force acts upon an object, it will not have acceleration" (first law). He does not consider the internal movement of the atoms in the body and where it is in the universe. I have created another set of laws based on vibration.

Laws of Vibratory Motion

- **1st Law:**
  There is no element (energy or matter) which does not vibrate.

- **2nd Law:**
  Vibration is the essence of existence.

- **3rd Law:**
  When vibration ceases, the object breaks up and disintegrates.

- **4th Law:**
  Only scalar vibration never ceases, even though it is not infinite.

I hope these new laws give a more all-encompassing idea about motion in Physics. The first law is completely different from Newton's: "if no force is exerted on it, an object remains still or it continues to move at a uniform vectorial velocity." Note that he only considered the body's external motion. Also note his second law: "the force that accelerates an object is equal to its mass multiplied by its acceleration," and his third: "when two objects act upon each other, they experience equal forces in opposite directions."

Physicists believe that aircraft fly only because they are supported by the air, and not that the vibration of the aircraft's motors is in synch with scalar energy, keeping it in flight; I doubt that a 70-ton bird (like today's

aircraft) would be able to fly using only its own wings. The aircraft's motors produce electricity through a spinning motion that captures external magnetism, propelling ships through space, sea and land. The magnet proves that energy exists in air, not to mention that the air itself is created by this immense force.

One cannot separate movement from energy, because the former is its result, or rather, in any phenomenon what we observe on the outside is always a consequence of something within and its manifestation. Nothing is purely external (as Physics commonly believes) because the inner element determines all. There is no effect without a cause, which is always internal.

Internal energy appears to be static, or in fact, nonexistent. But, it is the strongest and most dynamic force of all. That is why many people want to experience it through contemplation and meditation – while external energy is deceptive, appearing to be enormously active. We know that the frequency of alpha brain waves is about 5 Hz and beta, 10 Hz. This illustrates how the weakest frequencies (beta waves) are the most easily registered by instruments, while the stronger least detectable alpha waves, which correspond to a deeper level of consciousness, are transforming mankind.

Quantum Theory was right on target in regarding energy to be the basic structure of the atom, calling these packets of energy quanta (the plural of quantum). And the proof that these quanta are not just particles is that the more we increase the temperature of a piece of metal bar, the more its radiation increases as signaled by a change in color. Everything that exists is comprised of waves of energy spread through space. Thus, it is not light which carries energy, but light itself is a luminous form of this fundamental energetic manifestation.

All types of energy are the result of another form of energy which is superior, and no matter how powerful it appears, it is always formed by something previous. There is no action without energy, just as there is no energy without a previous cause that is much more powerful than the energy itself. Kinetic Theory is the closest to my research, because it explains that particles of matter are always in motion. I believe that as

matter is heated, we can perceive what it is made of by observing the different colors that are produced as it heats and melts.

C2

Everything that Moves is Moved by Something Else, Initially Generated by an Internal Vibration

All moving matter is propelled by some sort of energy. If it is external we call it motion, if internal, energy. Isaac Newton based all his work on motion, a secondary and consequential factor. Eighty years after his death Thomas Young perceived that an object moves because of the energy it contains, known as kinetic (or potential) energy. In any case, they are two different energetic aspects. Physicists have always found it difficult to distinguish motion from energy because energy can exist without external motion but motion cannot exist without energy. In any case, we must admit that the greatest action of all is the force of essential energy.

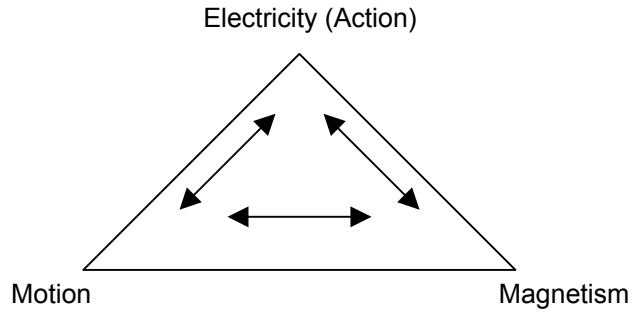
When Luigi Galvani touched a frog's leg with his scalpel while dissecting it, he noticed that it trembled, concluding that there was electricity there, and therefore an animal's body moved from the inside out–different from one object pulling another. Since then, the study of Physics has undergone enormous changes.

In 1800, Alessandro Volta (1745 – 1827) placed several batteries in the shape of a U creating the famous electrical device that bears his name, the voltaic battery, a set of three disks (copper, zinc and cardboard infused with vinegar and salt) one on top of the other. Gaston Planté (1834 – 1889) successfully built a rechargeable battery in 1859. George Leclanché (1838 – 1882) perfected the work of Planté, producing

another battery, this one with 1.5 volts. John Daniell (1790 – 1845) built a battery with an even longer life. In any event, science had the idea that a battery holds an electric charge similar to the Leyden jar (developed at the Dutch University of Leida) which gave rise to the capacitor. The process of acquisition of energy is identical in minerals, vegetables, animals and human beings: 1) because energy works the same way in all situations, and 2) the basic form of the atom is similar in all bodies– varying only by atomic number.

Through Faraday's induction ring, the famous British physicist could have demonstrated how electric current is a direct byproduct of the magnetic force existing in space. When the coil is electrified, even if it is separated from the other coil (but placed around the same iron ring), the movement of the electrical waves in the ring captures the magnetism from outside. Indeed, this discovery led to the creation of the first transformers. Nikola Tesla (1856 – 1943) built the induction motor in 1888 using the same principle. As we all know, this is the most used electrical device of all, both in industry and heavy machinery.

One might say that motion + magnetism = electricity; turbines generate electrical energy when they spin a magnet inside a coil. Then transformers "accelerate" the voltage using the same process, or better, their wires capture the magnetism in space, reinforcing the energy. A wire conducting electric current behaves like a magnet.



Two elements are needed to form a third, which completes the triangle, concomitantly feeding the first and second element. The motion then

becomes circular, as long as the initial impulse does not stop. These are the three energetic aspects that form life, because each exerts the same type of attractive and repulsive motion which obliges them to connect to the previous and subsequent element. The same phenomenon occurs in motors, where the electrical current passing through the coils generates an electromagnetic field. All these forces are dialectical (attraction and repulsion).

In fact, even the human body is formed from an internal vibration (called the soul by philosophers) which keeps on vibrating. Anima (soul in Latin) means the element that animates through pure energetics as if it were a dynamo (generator).

C3

The Composition of the Atom Makes Us Aware of How Everything in the Universe Is Built

When Heisenberg worked in Copenhagen with Kramers he noticed that Bohr's theory was almost correct, leaving classical concepts behind and accepting phenomenological concepts. However, he noted that quantum mechanics differed from classical mechanics, though not entirely so. Heisenberg referred to the problem of the observation of orbiting electrons inside a cloud chamber, and the inability to deal with the space-velocity problem. When the German physicist noted the existence of frequencies and amplitudes in the electron, he discarded the notion of orbit (as if this orbit were only a consequence). This confirms my hypothesis that particles are only formed subsequent to energy, because if they were formed prior, there would be no connection between the flow of energy and the movement of the orbiting electrons.

According to the Fermi National Accelerator Lab, "the quark is not the smallest atomic particle" (Science magazine, February 1996). I believe as science perfects its instruments, it will perceive the most subtle levels of force until it arrives at pure vibration. Eventually, it will have to admit (in my opinion) that the energies that are more difficult to measure with scientific equipment are the strongest and most fundamental, generating all others. Democritus' opinion was that the atom was invisible, indivisible and eternal. If we consider that the atom is scalar energy, the Greek philosopher's concept would be almost right. It was the English physicist Joseph John Thomson (1856 – 1940) who first formulated the

divisibility of the atom. Ernest Rutherford (1871 – 1937) more closely approximated my discovery (nucleus formed by energy) when he verified that the diameter of the atom was formed by an almost empty structure, in other words, something purely energetic.

Werner Heisenberg observed that there was an apparent contradiction in regarding the nucleus as made of protons and neutrons, and not electrons – even if the latter come from the nucleus (as I believe) to form the shell which secures the nuclear energy. Physics knows that particles within the atomic nucleus move at about 70,000 kilometers per second. This is why de Broglie, Bohm and Vigier thought that absolute zero (zero point of energy) contained 10^{27} joules per cm^3 - the same amount of energy as 10 million tons of coal! Therefore, we must admit that the source of all energy comes from low frequency waves and evidently, beyond that, from a core of pure essential energy that forms everything that exists.

At the 1900 Paris World's Fair**,** Tesla spent a long time within a force field created by his invention known as the Tesla Coil, demonstrating that high frequencies do not harm the human body. Photographs of Tesla's courageous feat can still be seen today. This experiment revealed that it is the lowest frequency waves which affect the human body, originating in the soul, which is the fundamental vibration, and then spreading throughout the organism. It is these waves which guide and animate everything: beginning with our instincts, and then moving to sensations, feelings and knowledge.

Werner Heisenberg did not accept Neils Bohr's notion of atomic stability, initiating an era of great uncertainty in science. The famous physicist did not possess enough knowledge of metaphysics to perceive the immutability of truth, as well as the weakness of relativity. I believe that the foundation of existence is the absolute certainty within which we live. We must consider that everything which exists is always a consequence of something superior, because the greater never comes from the lesser. In other words, particles originate from energy, and not vice-versa, and there exists no doubt nor problem which does not come from the distortion of an absolute certainty or of a more perfect dimension.

The invisible is always the most powerful of all, even within matter. In fact, the smartest individuals confirm that those who control the production of energy hold the world in their hands. In fact, they have already gained control of the electricity, petroleum and coal production industries. Energy is the soul of the universe, which is why there was more progress in the 20th century than in any other century. All power is invisible, but we can feel its effects. It is invisible to the five senses but can be sensed internally .We constantly feel it in the wind blowing through the trees, the light coming from the sun, the rivers which run to the sea. Physicists generally believe that waves transport energy from one place to another, and not that they themselves are a result of energy. All motion begins in the atomic nucleus, whether within a body or within the most distant galaxies.

There is only one kind of fundamental scalar energy, which then manifests according to the type of resonance (mass) it assumes. Orbital forces are impregnated by scalar energy to a greater or lesser extent, according to the behavior of the original source. This shows that perfect behavior carries an enormous amount of essential energy which in turn can change the environment. Therefore, one's geniality, sanity or sense of aesthetics depends upon the degree to which one's behavior is in harmony with essential energy.

It is important to perceive that the quality of one's emotions and thoughts establishes a corresponding energy field. Just as a superior idea or feeling elevates the human being, ideas or feelings of an inferior quality form a force field which destroys one's structure, intelligence, will or emotions. I believe that this phenomenon can even affect one's DNA and disturb one's genetic structure.

C4

Internal Vibration Determines Everything, Including External Motion

There is nothing more incorrect than the belief that everything that happens in nature is only an exchange of energy coming from matter, as if one kind of energy moved the other indefinitely. If this were the case, the universe would already have come to an end or it would be in a state of extreme deterioration.

The first law of thermodynamics affirms that "energy can neither be created nor destroyed, it only transforms itself," and also according to Lavoisier: "in nature nothing is created, nothing is lost, everything is transformed." ("Tempo e Espaço,," Visual Ciência ["Time and Space," Visual Science], Verbo Publishing House, page 30)). The second law of thermodynamics states that everything tends to chaos. Both laws are antiscientific, because energy does not only have a beginning but also an end. It is evident that this phenomenon is more observable in objects. We must admit that Lavoisier intuited the lasting nature of the constantly moving energy which holds all matter together.

The idea of a mechanical universe similar to a clock was abandoned in the 20th century because of its mechanical rigidity and its materialistic approach (that everything comes from matter). On the other hand, both the Big Bang theory-which says that the universe began from a big explosion and continues to expand-and biblical creationism are extremely naive considering everything that has been discovered about energy. The Big Bang theory is naïve because in it the greater (the

universe) is seen as coming from the lesser, a tiny ball of proto-matter containing all the energy in the universe which inflated rapidly and then decelerated as it became matter: hydrogen and helium. The belief in biblical creationism was symbolic, coming from Moses at a time when there was no notion about science, especially Physics.

In the Neil Ardley Dictionary of Science (page 20) we read that Physics is "the branch of science that studies matter and energy," giving the idea that energy comes from matter. That is why every researcher in this field is brainwashed from the start, having to accept not only this principle but also the restrictions of mathematical reductionism which limits understanding. The physicist must conscientize that matter and energy are not two elements that can be converted into one another but derive from one single element, which appears either in the form of energy or matter–whether plants, animals or human beings–leaving no doubt that energy is fundamental. If this were not the case, the matter that was liberated after nuclear fission (or fusion) would disappear. Needless to say, the radioactive material remains for centuries. Physics, as it is currently taught, limits our thinking because it impedes us from attaining an integral understanding of phenomena. Indeed, it diminishes most of our knowledge.

Physics states that "all existing energies in the universe arise from electromagnetic, gravitational, strong and weak forces" coming from matter. ("Força e Movimento," Coleção Verbo ["*Force and Movement*," Verbo Collection], volume 3, page 62). Note that this book was written in Portugal in the year 1996, in collaboration with the London Science Museum, which means that almost at the end of the 20th century physicists continued to believe in the material origin of energy. In my view, even the atom is made up of pure preexistent energy, therefore it cannot be the essential building block of all others. It seems that the most difficult question in Physics is how to deal with precisely those invisible factors which characterize energy.

The scientist finds it easier to deal with the problem of motion rather than energy, which is something that comes from within bodies. According to Physics, "a sphere in motion can transfer its energy to another sphere at rest." I believe that in this case, only the movement is transferred, because the sphere conserves the energy that comprises it,

an energy whose purpose is not to cause motion, but to hold the body together, even the planets and stars. Anything that moves expends energy; or rather it is the result of a preexisting energy. And things differ according to the disposition of their atoms—in accordance with their type of resonance–even if the basic energy is the same.

If there was no energy, motion would be impossible. When I lift my arm to drop an object, I note that gravitational force pulls the object downward, but one rarely thinks that there is another force which first lifted that object up. In my opinion, gravitational force could not exist without the corresponding force of elevation: before something falls it must be lifted. If our vibration were still pure, we would have perfect control over the forces of gravity and elevation and would enjoy greater agility and development.

PART – D

Social and Human Pathology

D1

Social and Individual Pathologies Arise from an Energetic Inversion

The uncontrolled imbalance in the universe is a result of a distortion in essential scalar energy which has disturbed the substantial unification of form and matter, causing human, social and material pathology. Every illness comes from an energetic imbalance. The individual suffers because of a contradiction between his feelings and ideas. Bacteria are not the fundamental pathological element that cause physical illness, but the body becomes vulnerable because of an inverted behavior that weakens it. The pathological person is such a bother to others because he wants to live in a superficial manner, a typical inversion, which others cannot accept, and the sicker he is, the greater his distortion. This, in turn, forms an inverted social structure (economic, political and legal) and causes enormous stress for those who are obliged to live within it. This is why people of the so-called “first world” are the most neurotic.

A feasible explanation for the energetic inversion in the brain is the dominance of the left hemisphere over the right (which should be dominant). This means that human beings even try to dominate the transcendental world, as if they were superior to it. This shows that intuition and the perception of true reality come from the right hemisphere in the balanced individual and this hemisphere should always prevail. If, to the contrary, the person lets himself be dominated by an inverted force field because of his envy and greed, he will suffer great agony as he gets closer to fundamental scalar energy, which is why the possessed people of Gerasa affirmed that Christ’s presence

caused them torment. Probably, this is the same suffering experienced by those who are in hell and purgatory, because in order to exist, they must accept the vibration of the Divine - precisely what they fight against. This means they are waging an endless battle against their own being, without the possibility of dying. I discovered this phenomenon in August 1977 and named it inversion.

The disinverted (correct) study of Physics makes it possible to understand and improve life because it lays the groundwork for everything that exists. It explains why one individual progresses more than another, why one nation surpasses the others, why a science develops and why certain groups and individuals take control of humanity. There is quite a similarity between the way man functions and the motion of the atom and even machines. The underlying principles of one apply to the others. For example: the unconscious could be called a potential element in Physics. The individual believes that his power comes from a *potential,* as Bohm intimated. Similarly, Freud introduced the idea of the unconscious as if it were something fundamental, denying the existence of something previous and superior, which is precisely the act that forms everything. When Physics refers to a parallel universe it intends to say that something unreal could generate something real. This corresponds to altered states of consciousness (as the mystics call it) that can lead to delirium.

Aharonov and Bohm use potentials to explain the origin of the electrical effect. These are mere numbers and do not have a metaphysical reality, because they affirm that the senses are subordinate to erroneous ideas - showing man's theomania. Here, potential (as opposed to *act*) would be equivalent to the unconscious, something created by man, who elevates illusion over reality.

Neurosis can be defined as the attitude of not wanting to see one's problems. The basic process of analysis consists of discovering blockages and solving them as much as possible. In my clinical experience since 1956, I have noticed that the primary neurotic characteristic is the desire to avoid dealing with life's difficulties. I can affirm that such behavior leads to a general suppression of the personality. This inertia might be seen as an attempt to avoid any

movement, because every object is in turbulent motion; therefore neurosis is an opposition to the vibration of life.

Neither the deductive method of philosophy nor the inductive reasoning method of scientific experimentation are enough, because of the human failure to perceive reality. Not even a method combining both would be satisfactory, because of the same issue--human pathology. Not only does scientific deductive reasoning explain reality, but primarily the mind of the individual as well, which necessarily must be oriented according to the laws of nature so that harmony with reality is established. Most people only use their beta waves to discharge emotions. Few use their alpha waves to understand and deal with the true essentials of life.

Those who feel angry about work are not this way because work itself causes such a feeling, but because by working their hatred of life appears. Because of this, many are unable to act, or when they put themselves into action, they spoil everything through accidents and serious mistakes. The human being does not like to see what is good, because in doing so he must also see what is bad, due to the consciousness arising from the comparison of the two. In this way, he remains separate from true reality (which is good) wasting the precious moments of his life.

To produce electricity there must be an initiating motion (such as a waterfall in the hydroelectric power plant) to cause the turbine and the magnet inside the coil to turn. The same happens in our psychological life: the initial movement is a feeling and an idea, which contacts an external energy (scalar energy), leading the human being to relate to either good or bad external forces. Natural laws always follow the same principle, whether on the physical or psychological (spiritual) plane.

D2

Pathology Arises From an Alteration in the Dual Motion of the Genetic Helix

Any feeling or idea conforms to the law of dual motion, which is why if the individual is one-sided, he will not merely understand half of a phenomenon but will capture it in an inverted manner. Let us take, for example, the phrase “I am.” Initially, one would deny, omit or distort that notion, and then come to accept it. In other words, in order to know a fact, one must necessarily compare it with its opposite (in this case, “I am not”) in order for one’s intellect to grasp it. It is not that the negation is the revealing element, but the comparison. Here, we are reminded of a metaphysical principle: a being cannot *be* and *not be* at the same time.

I believe that the sick person captures only half of a phenomenon (through feelings and intelligence), being unable to form a dialectic between the two. This phenomenon can manifest through exclusion, correction or completion if the matter concerns denying, distorting or impeding. I believe that perceiving only half of every phenomenon resulted from a fall in the energetic vibration of the human being, which presently does not allow us to capture the totality of all phenomena. If we consider that everything is double in origin, in order to arrive at a third element, we cannot think or act without duality.

An understanding of the genetic double helix makes it easier to understand what Freud called the unconscious, which derives from an altered movement of the double helix which is slow spinning and contracted. If an individual’s energetic vibration is very low, he will

obviously capture only half of a duality (either contraction or expansion) in an inverted manner and stay there. Therefore, two helixes form the basis of life, and nothing can exist without them.

The functioning of both hemispheres (left and right) of the brain is linked to the double helix within the genes, as if we had two brains. Logically, then, we must admit that each hemisphere of the brain must react proportionally to the contrary rotation of the energy captured by the other in order for the individual to be psychologically and physically well-balanced, and other psychological and physical functions must do the same. In fact, the perception of the human being is always inverted, unless it is corrected by the proper spinning of the helix, if one ever gets to this point. Without this duality, there can be no knowledge. Everything that exists always manifests itself in two opposite directions which do not deny but complement one another

Through intuition and logic Albert Einstein perceived that in order to equalize the attractive force of gravity, there must also be a force of repulsion – giving the idea, not of a static universe, as he believed, but of a universe in balance, because other factors would provide the elements of an even more formidable type of mobility. Einstein then attempted to submit his discovery to a mathematical analysis, giving it to Russian mathematician Alexander Friedman and accepting his critique. Friedman then reduced it to an equation which, as we know, results in zero. Einstein had more faith in deduction than in his powers of intuition. What the famous physicist referred to as the biggest mistake of his career was in fact his major bull's-eye - what really made it major was the fact that he rejected it.

Without a doubt there are two opposing forces (one turning right and the other turning left) which combine to create a single direction. The double helix that Watson and Crick observed in DNA can be seen as being two distinct movements within the gene – and it could be no other way because two opposing forces (with the same intensity) are necessary to create any object. We know that the molecules of L-alanine (left chirality) and of D-alanine (right chirality) are mirror images of one another – but separately they have an opposing symmetry, which allows them to combine with one another. Not only are nucleic acids responsible for the information system of living beings, but also and principally the energy

that the ancient philosophers called the soul (psyche). Indeed, everything that exists is dialectical, and in fact the molecules of DNA move precisely because of this essential energy.

Now let us turn our attention to the elements of denial and distortion, because due to the lower energies which started to predominate in the movement of the genetic double helix in either direction, the manifestation of the very essence of the being has been compromised. It is as if something new were created inside the genes, one might say that in human beings the force of contraction has been subjugated by pathological feelings and distorted ideas. There is an imbalance in the forces of expansion and retraction (called positive and negative by physicists), whether as an impediment or an excess. Paul Dirac describes the objects as spinning in two helicities (1/2 h and -1/2 h), as if they were two spinning tops, one spinning to the right and the other to the left. This physicist called them particles and antiparticles, each having the same mass and intrinsic spin and an opposite electrical charge. They would behave like mules: when pulled forward they move backward!

If pathology has a link to energy it means that human beings will never be free of it. We are born with inverted psychorganic elements which cause us to live in an alternate pathological reality. Researchers have found so-called subliminal recorded messages in modern music. John Todd, a Canadian researcher, found the following:

Kiss (Kings in Satan Service)
Song: God of Thunder
Message: *The devil himself is your god!*

Madonna
Song: Like a virgin
Message: *I fuck myself in sin*

Queen
Song: Crazy Little Thing Called Love
Message: *To hell with the Bible. I only want magic.*

Police
Song: Every Little Thing She Does is Magic!
Message: *Power to the merchants!*

Rolling Stones
Song: Tops
Message: *"I love you," says the devil*

Prince
Song: Purple Rain
Message: *The sky is going to explode!*

Cindy Lauper
Song: She Bops
Message: *You are defenseless before evil and obliged to bear the messages I send you. Ha! Ha! Ha!*

The double helix is obviously a creation of nature, but it currently does not work the way it was meant to – which is why genetic deformities appear, because of the abnormal movement of DNA. I personally believe that illness, and especially mental illness, originates right here, even if the human being strongly contributes to its creation. Let us say that there are physical factors responsible for disease contributed to by others.

The astronomers John D. Barrow and Joseph Silk believed that there was a rupture in the symmetry of the universe when atomic spin became counterclockwise rather than clockwise; I add that on a biological level, the same phenomenon would have occurred, with amino acids adopting a "left-handed" spiral. And I believe that this inverted position now predominates due to a sharp drop in energetic vibration.

In order for the individual to become whole he must experience all three levels of existence: physical, aesthetic and metaphysical, precisely because the three interrelate and are unable to exist separately in our world. What one does not make clear, the other two clarify – and neither of the three can be entirely understood alone. Together they are one, and separate they are incomplete. For example: in induction, which Michael Faraday called electromagnetic, the variation or movement of a

magnetic field produces an electromotive force (e.m.f.) in a nearby conducting wire and then an electric current, if the wire is part of the circuit. The current will exist only while there is a variation in the energetic field. Faraday demonstrated how the electric and the magnetic (and I would add motion) are interchangeable with one another. Because he did not perceive the entire phenomenon, the English physicist wanted to reduce it to one.

D3

The Same Phenomenon that Occurs in Human Pathology Occurs in the Division of the Atom

By studying radiation we note that Physics provides precious data to help us understand energy. Thus, Ernest Rutherford (1871 – 1937),envisioned a new and true atomic model when he noted in his famous experiment that radiation crossed metal plates – leading his disciple Neils Bohr (1885 – 1962) to affirm that the nature of radiation was both corpuscular and wave-like at the same time. We must not forget that Bohr was acquainted with Max Planck's work, who also defended this position with his "packets" of energy. Neils Bohr was a very intuitive scientist who provided convincing explanations for this phenomenon. He united Rutherford's model (corpuscular and wave radiation) with Plank's model, giving the notion that the emission or absorption of energy depended on the alteration of the electronic path. This fact shows that this is an abnormal process which can harm the human being and his very nature, as happens in the psychological life when a person gives free reign to his emotions or thoughts without an appropriate balance between the two

Without perceiving it Enrico Fermi (1901 – 1954) accomplished the first nuclear fission in 1934 with the help of Lise Meitner and the chemist Otto Hahn. He bombarded uranium with neutrons (which were discovered by the physicist James Chadwick in 1932). When Fermi built the first nuclear reactor in the United States in 1942, he overloaded the centermost part of the atom, weakening the capacity of the electron to

hold the nucleus. What happened was that the central energy of the atom increased to the point that the particles could no longer be controlled, projecting all their power outward - undoubtedly, when elements no longer maintain an equilibrium, an atomic imbalance occurs. I believe that the best explanation for the phenomenon of nuclear fission lies in the motion of electrons. Max Planck demonstrated that the wavelength of light depends on the energy that the electron loses when there is a change in its orbit. If the rupture in the electron is accentuated, then the velocity of the elements within the nucleus will gain tremendous velocity and disastrous consequences will occur.

In nuclear fission the electron becomes unbalanced and liberates the nuclear force through the expulsion of neutrons, which hit the other atoms and cause a chain reaction. Repulsive energy is liberated when the elements that hold the nucleus are eliminated. I believe that atomic explosions are caused by deforming the atom. If an individual thinks whatever he wants and gives free reign to his emotions, he practically destroys his energetic vibrational balance, exploding internally – exactly as happens in atomic fission - which is why he becomes sick and does crazy things, attacking his fellowman and destroying himself.

Newton and Maxwell thought that atoms always emit radiation. Physics clearly states that "atoms are blocks built by matter, and when a change in its inner part takes place an enormous quantity of energy is liberated." (Dictionary of Science, page 5). We should conscientize the following: 1) particles (protons, neutrons and electrons) on their own would not be able to generate such an incredible amount of energy (the lesser cannot generate the greater), and 2) this phenomenon could not happen within such a small field. We must perceive that such widespread destruction is caused by an enormous alteration of energy, which is why an atomic explosion causes such intense radiation on the earth's surface that it even reaches into outer space. Albert Einstein truly transformed the face of Physics by demonstrating that mass and energy were closely linked, but he made the fundamental mistake of believing that the latter derived from the former. Einstein greatly reinforced the belief that energy comes from matter. The atomic theory held by the Ancient Greeks has been well accepted since the 18th century, because of the erroneous idea held by some researchers who believed it confirmed the philosophy of

materialism. Because of this they regarded physical elements (particles) as being responsible for all energetic phenomena.

The energy within the nucleus of the atom is undoubtedly formed by an enormous compression of the electrons which hold it. In a two-fold process, scalar energy sets the electron into motion which, in turn, enhances force, depending on how the nucleus is formed. This demonstrates how imprisoned resonance occurs in a particular locale and how this rule obeys laws imposed by energy itself. Scientists note that protons are 1,860 times heavier than the electrons which orbit around them keeping them within the nucleus. The atom can be represented by a brilliant circle from which sub-particles (quarks, mesons, photons, etc), protons, electrons and neutrons emanate, and then matter as we know it is built.

D4

Both Traditional Metaphysics and the Philosophy of Science Are Inverted

The brand new so-called Philosophy of Science, especially that derived from the field of Physics, mixes the observer and the observed, as if one is interchangeable with the other. This being the case, people in general believe they can create reality–which is completely different from submitting oneself to it; and certainly one becomes very surprised when one notices this is an inverted and dangerous way of thinking.

In 1927, Werner Heisenberg removed determinism from science, as did Neils Bohr, who in 1928 announced the Principle of Complementarity, observing that space and time and causality are two complementary and mutually exclusive aspects of the same phenomena–"uniting" the behavior of the movement of the atom with the observer's influence over it. Albert Einstein could not accept this new orientation and attempted to discover a fundamental mistake in quantum theory.

Over breakfast one morning in Solvay (Belgium), Einstein, Bohr, Pauli and Heisenberg argued about uncertainty. Einstein tried to refute it and quantum theory as a consequence, and that night Bohr solved the problem, giving him a satisfactory answer. The next day Einstein raised another objection, but his own General Theory of Relativity was used to refute him. The quanta won the battle against relativism.

I want to make it clear that what happened to modern science is not exactly a departure from metaphysics, but more an exhaustion of the

inverted orientation inherent in Aristotle's philosophy. To a certain extent scientists have entered a blind alley – and instead of correcting the Greek thinker, they abandoned his way of thinking, despite the fact that science is based on his ideas. Then, scientists organized a new philosophy still based upon an inverted Aristotelian foundation. We have no choice but to correct him so that a proper foundation can finally be laid.

Judging by the way people think, it is obvious that in science the deductive predominates over the inductive. Heinrich Hertz (1857 – 1894) said that the principles of science do not impose themselves because of their evidence, but they are chosen in accordance with the deductive process of science itself: "we can offer several representations of the principles of mechanics, according to the propositions that we consider fundamental… always considering their correction if they are found to be no longer suitable" (Die Prinzipien der Mechanik, "Introduction," Hertz).

In order for an individual to understand a science or philosophy, he must start from action, which encompasses those two same components of life. In Physics for example, one must first work with a phenomenon in order to understand it as a whole. When Werner Heisenberg consulted Arnold Sommerfeld, director of the Munich University Department of theoretical Physics (and his father's friend), he was advised to work with small devices, like motors and induction coils. Sommerfeld surely perceived the young man's extremely theoretical nature and his wish to provide a priori solutions for the pressing problems of science. And was this not the case with his Uncertainty Principle? This principle seems to be more of a philosophical notion.

When one speaks about making science independent from philosophy, the modern scientist refuses to conscientize how much he depends on his own ideas (philosophy of life). This, then, is a desire to conduct a posteriori research without allowing his thoughts to influence his work. In any case, I believe that an erroneous science (as well as an erroneous philosophy) comes from a brain which does not think correctly, for between an observed phenomenon and its interpretation there is a time lapse, within which billions of neurons interact, moving between the right and left hemispheres, and the frontal, parietal, temporal, occipital lobe, and cerebellum, in addition to the scientist's way of feeling and thinking.

It is not possible to accomplish a philosophy of science or a science of philosophy, because each one is different and complete in its own right; but there cannot be a true science which opposes true philosophy, and vice-versa. Just as the thinker must repair the ideas in his head, the scientist must correct his research and experimentation. The physicist must perceive that the universe does not need him to exist, however in order to develop his science, he needs the universe. If neurosis/psychosis comes basically from a malfunctioning DNA we must admit that the soul of the human being itself is sick.

We must pay attention to the fact that among the three main schools of Physics, Munich, Göttingen and Copenhagen, the school of Copenhagen was the greatest because of its philosophical orientation – the other two followed a phenomenological (Munich) and mathematical (Göttingen) orientation. Werner Heisenberg followed the predominant theoretical path of the philosophy of science. After all, anything that is accomplished in the world comes from the head of the human being.

When I refer to the union between science and philosophy, I make an absolute distinction between one field and another, clarifying the independence between the two. But what I wish to expose is that even if there is a total separation between the two, at the same time there is an absolute link between what is essentially correct in each. For example, there is a similarity between a correct idea and an experiment – because if the opposite were true this would not work , such as if a good experiment were united with a false way of thinking, or a perfect concept were linked with badly conducted research. It is not a question of imposing one over the other but of respecting their limits.

PART – E

Unification

E1

From a Singular to a Complementary Pair Forming a Third Element

As I write this in 1996 I am amazed by a scientific *dedinduction*[4] that I discovered, after studying the concept of intrinsic spin formulated by Paul Dirac 1927, and based on both Einstein's Theory of Special Relativity and Quantum Mechanics. I have always known that the singular came from a complementary pair but never that the singular would always generate such a pair.

Abdus Salam verified that weak nuclear force only operates in a counterclockwise motion (left helicity) – which is a ½ spin particle spinning like a top in a counterclockwise direction. This phenomenon of the "double helix" was discovered at the Cambridge University Cavendish Laboratory in 1957. Such an event can explain that any phenomenon can only be captured because of the existence of two opposing directions. Thus, sensation or knowledge appears only through this dual functioning as do objects. Therefore, the mind itself can only understand something because of this same duality within itself. For example, in order for the eye to focus, it must utilize these two opposing types of motion. The same occurs with the intellectual process of knowing – which is more a recognition.

[4] *Dedinduction* - a neologism indicating a combination of deduction and induction, with the former predominating.

All energy has back and forth motion, otherwise it would not exist. I believe that protons and electrons demonstrate the same phenomenon which appears in the form of repulsion and, afterward, attraction. Initially the particle is attractive and then repulsive within the same identical wave of energy. This same energetic wave first generates a positive particle followed by a "negative" one.

Heisenberg was amazed to observe that the atomic nucleus consisted of protons and neutrons; "an apparent contradiction existed because there were not electrons there – even though electrons came out of there sometimes" ("Em busca da Unificação" (*The Quest for Unification*), Salam, Dirac and Heisenberg, Ciência Aberta, Ed. Gradiva, pages 98-99). I think that the electron itself, being produced by the central energy of the atom, appears to come out of the nucleus in the cloud chamber in order to counterbalance the force of the proton. Thus, both the central particles and the peripheral ones obey the repulsive and attractive motion of essential scalar energy.

Researchers are constantly arguing about mathematical formulae in Physics, demonstrating an enormous divergence between phenomena and ideas. Abdus Salam wrote: "the believable theory was not proved right: there was a certain number of problems in it – the worst of all was the fact that weak force displayed left handedness (helicity) and the electromagnetic force both left and right" ("Em Busca da Unificação," Ciência Aberta, Ed. Gradiva, page 43). Here, the scientist's wish to elevate his individual beliefs above reality is clearly shown. I regard this "dilemma" in the following manner: if the weak force has a counterclockwise motion, then certainly the strong force would operate in a clockwise manner, just as in magnetism which, being two forces, also automatically involves two antagonistic types of handedness.

We must admit then that every phenomenon is dual, otherwise it would not exist. I refer to duality in the sense of operating in two opposing directions to reach a perfect unity. In the psychological field, the being is manifested automatically by a feeling and an idea, and these two forces must necessarily meet so that an object is what it is. If something were not dual, it would neither be able to be understood, nor would it exist. This is not merely a matter of unifying two opposing forces but of using them. No force is uni-directional but always bi-directional, which is why

we need to create devices which function in a dual manner so that we may take full advantage of the formidable energy which exists. The initial handedness of spin (being influenced by a prior energy) is analogous to our mistakes, which is why human beings have become unbalanced, because by refusing to become aware of our mistakes we prevent spin from fulfilling its vital function.

The much desired unification in the field of Physics should not be regarded as being so important, for the singular always produces the dual– not to mention that the singular is essentially dual in nature, being helicoidally double. The question which arises then is not to unite these dual particles, but to use the two that are derived from the one. Bullets used to be made by letting melted lead drop from the top of towers, which would then fall to the ground as solidified balls – proving the existence of this attractive-repulsive energy which transforms the fundamental structure of everything into a rounded form.

Clearly, then, we are not dealing merely with an understanding of a duality coming from a unity, but mainly with a new element which is formed automatically: a *tertio quid*. The proton and the electron repel and attract one another; but then the neutron seems to establish a balance between the two. Movement and magnetism generate electricity. The tuning fork vibrates between two arms to emit sound, the same way it is possible to have all the rules of harmony within a single string of the violin.

Nature itself assumes three states: solid, liquid and gaseous, demonstrating its trilogical nature. But, the most important factor is that these are interchangeable, or better, one can become another: a solid can become a liquid and a gas; a liquid can become a solid and gas and a gas can become a liquid and a solid. This phenomenon shows how energy is able to determine the physical condition of a body. Indeed, the energy of everything is fundamentally identical, varying only in its external composition.

Physics should be studied concurrently with aesthetics and metaphysics. This has not occurred because there is too much contradiction between them – as if the principles of one were

incongruent with the other. In reality the three are interrelated, being part of one essential element.

E2

A Unified Field Theory Should not be Sought, but We Should Conscientize the Already Existing Unification

Each aspect of a science, as well as any phenomenon, must be approached from a global perspective in order to be completely understood. Physics is no exception; and to understand how machines and human beings function we must know the structure of the atoms, the very composition of matter, the phenomena of light, heat, sound, chemical reactions, electronics, magnetism and electricity. All are interrelated in such a way that without a general and unified view, it is impossible to say that we know this scientific field. Note that I am referring to all branches of Physics, in an attempt to understand the unification that already exists between them.

As one can see, it is not about unifying the fields in Physics but perceiving how unified they already are. And scientists cannot accomplish this feat, for a phenomenon can only be what it is, thus the function of the human being is to discover this reality. In the preface to his book, John C. Taylor of Cambridge University said the following about Abdus Salam, Paul Dirac and Werner Heisenberg': "From time to time science succeeds in unifying apparently diverse phenomena" ("Em Busca da Unificação" *(The Quest for Unification)*, Salam, Dirac and Heisenberg, Ciência Aberta, Gradiva Publishing House, page 5). Taylor should have said that science discovers a unification that already exists. Man does not create the physical phenomena, he just discovers them.

Because of the a priori idea that the atom is formed basically of particles, scientists try to cause a collision between particles in the hope of developing colossal forces like the energy of the sun, forgetting that each of the more basic elements like leptons and quarks also are the products of essential scalar energy. If particles functioned the way modern physicists thought they did, they would be truly miraculous. For example, Paul Dirac even said that, "each particle has its antiparticle with the same mass and intrinsic spin, but with an opposite charge. Furthermore a charged particle and its antiparticle can annihilate each other and produce photons" (Unification of the Fundamental Forces, Abdus Salam, pages 29 and 30). As one can see, here the physicist tries to unify what already exists with an imaginary fantasy of his own creation to explain the production of photons.

If the atomic nucleus were only made of particles, it would always be divisible and therefore could not exist on its own. This shows that the core must have another element which sustains it, which I believe is scalar energy, discovered by Nikola Tesla. For example: heat does not produce energy but is a form of it. A transformer captures new energy from an external field to propel the energy within it forward – this is why it can also be called an accelerator and why the motion of an alternator in the motor charges a car battery.

Ernest Rutherford (1871 – 1937) discovered that in radioactive phenomena electrons are altered. For example: in α (alpha) particles, atoms did not contain electrons, and in β (beta) particles, the electrons were extremely fast, becoming a new type of atom. Practically speaking the much-desired alchemist's transmutation had been discovered. I believe that this phenomenon clarifies that it is the energy within the nucleus which projects itself outwards producing all sorts of motion. It seems that the scientist from New Zealand was the true creator of the science of Physics, being probably the most important contributor in this branch of Physics.

When Newton saw the apple falling from the tree there "came to him the idea that the force of gravity was not limited to the distances on Earth, but it would go much farther one could imagine. Why not so far as tol the Moon, he said to himself, and this force must influence its motion" (Force and Movement, Verbo Publishing House, Portugal, page 32). It is

just that this energy is in actuality what creates everything, from a strand of hair to the immense galaxies which populate space. When the English physicist perceived that the force which causes an object to fall to the ground is the same that keeps the planets in orbit, he was in effect speaking about pure energy, which always acts in two opposing directions.

There is no doubt that the unification of electromagnetic force with weak force as written about by Sheldon Gloshow, Abdus Salam and Steven Weinberg is to this day one of the most advanced theories in the field of Physics. Later, Michio Kaku and Jennifer Thompson, referring to the Superstring Theory, presented other data which gets considerably closer to my discovery about the energetic origin of particles (matter in general).

What Abdus Salam called strong and weak force is nothing more than what I call scalar (essential) energetic attraction and repulsion in the nucleus of the atom which gives rise to all other forces. I believe that Salam got closest to my work when he affirmed that both electromagnetic and nuclear weak forces are variations of a superforce called electroweak. Scientists have always purveyed the notion that there are specific force fields which would act upon potential elements, turning them into energetic elements. Scalar energy contains within itself two motions: attraction and repulsion, which in turn produce two types of orbital forces – in electricity they are erroneously called positive and negative. All elements can be found within this energetic field, which also constitutes its essence. We cannot say that a motor produces force, but it captures it in order to transmit it - becoming more of a transmitter – just as a generator does not produce energy.

“The superstring theory, however, assumes that the ultimate building blocks of nature consist of tiny vibrating strings….Nobody has seen these strings because they are much too small to be observed. (They are about 100 billion billion times smaller than a proton.)…the fundamental forces and various particles found in nature are nothing more than different modes of vibrating strings.…matter consists of particles that are different modes of vibration of the string…the four fundamental forces governing our universe are actually different manifestations of a single unifying force, governed by the superstring”

(Beyond Einstein, Michio Kaku and Jennifer Thompson, pages 4, 5 and 6). This theory was enthusiastically received in the West when they placed the four fundamental energies within what they called strong and weak force in order to stabilize the nucleus. If the first (active force) were the only one that existed the nucleus would be unstable, needing another weak force to control it. I believe that scalar (fundamental) energy is dialectical and functions in two directions: outward and inward, repelling and attracting.

The superstring theory simply substitutes particles for superstrings as if they were the essential (scalar) energy; instead of considering the latter to be the fundamental element, Michio Kaku speaks about strings formed by particles billions of billions of times smaller than protons. Another mistake that he echoes is that which considers gravity, electromagnetism and nuclear force (strong and weak) to be the four fundamental forces. Democritus refers to the existence of a void beside the atom (History of Philosophy, vol. 1, Nicola Abbagnano, page 92); in the superstring theory Michio Kaku and Jennifer Thompson ascribe to the so-called weak force the same significance.

The theory of atomism seen correctly brings us enormously closer to what Aristotle referred to as the First Mover, or better, the Source from which the energy that forms everything emanates.

E3

Energy and Matter Are One, Forming a Single Substantial Vibration

Space and time are consequences of energetic forces, being sustained by them. Planets, stars, comets and galaxies move inside an almost absolute energy which determines all existence and which ancient scholars called ether, a kind of fluid found in the vacuum of space. In any case, this energetic force is much more than that; to give a concrete example, it is as if there is an incredible net made of steel sustaining the universe. Now imagine that such an invincible fortress were made out of waves. That is why the ancients believed that the earth was supported by gigantic tripods. Nevertheless, we must disinvert our notion and see that energetic forces are extremely powerful, maintaining everything that exists.

The theory of relativity says that time can be modified by speed. Albert Einstein believed that as the speed of an object increases, its mass increases – a phenomenon which can be observed when an object travels at high speeds close to the speed of light. I believe that the constitution of an element depends on nuclear vibration, not on the motion of particles but of energy, and in this case, time can be greatly diminished. Einstein's theory would be correct if it were applied to the essential vibration of the element and not to its existential physical nature. I believe that there is an alteration, not only in the mass of the object, but in its internal vibration, which can even modify the structure of time. Space and time are linked to the degree of nuclear vibration,

best observed in radioactive phenomena, as Rutherford demonstrated in his work.

Energy and matter modify themselves if we regard energy as the essential element. “Every kind of action – such as playing games, operating machines, manufacturing materials, and cooking food - needs energy to make it happen. Different kinds of energy make different things happen. Almost all the energy on Earth comes from the hot interior part of the sun” (Dictionary of Science, Neil Ardley, page 68). As we can see, positivistic science insists on elevating the most observable factors, as if the energy of the sun were the fundamental generating factor; but at least it admits that energy is the principal factor. I can even say that the type of energy within the nucleus determines the nature of the object.

Physics gives the idea that kinetic energy is formed by an object in motion, like the example given by Galileo Galilee (1564 – 1642) that “objects fall not because they are heavy, but because of the potential energy that was given to them, probably by someone who lifted them up from the ground”(“Energy,” Visual Science, Verbo Publishing House, Portugal, page 15), and not that the bodies are always in vibration (and sometimes in motion mainly because of their own internal energy). It would make more sense to unite the idea of the Italian genius with Aristotle’s idea, who believed that motion came from the “nature of the object,” being precisely the result of energy.

The quality of an element must be considered from the point of view of its vibration: the higher it is, the more refined it will be, the lower it is, the more primitive and crude, and this applies to animals, vegetables and minerals, as well as human beings. The vibration of an element is in direct proportion to the composition of its atoms. The lighter it is, the simpler its structure, like gases, for example: hydrogen has only 1 electron, helium has 2, mercury 7, fluorine 9 and neon 10. The same occurs with metals, or rather, the heavier they are, the more electrons they possess, such as lead which possesses 82. The most abundant element in nature is the least accepted, even if it could be the most proved. I am referring to the fundamental energetic element that forms and moves everything that exists: the winds, the water, the sound, the magnetic and electric waves, light and heat, in short, everything.

Knowledge of the phenomena in Physics remains so difficult because of one key reason, the fundamental lack of consideration of a previous form of energy which forms all matter. In the book Energy (Visual – Science, Verbo Publishing House, page 6) we read that "the frog needs energy to jump and seeks it in food. When it lands on the ground it loses the energy…but the energy remains in its body in the form of heat, just as it remains on the ground, in the air and in the water." The inverted ways of science have led scientists to commit one error after another: 1) the frog jumps not because of the energy it acquired from the food, but because it lives inside an attractive-repulsive magnetic force field which exists in space, even if in the beginning it needs food to initiate its movement, 2) because of that it can cease its movement, and the energy will continue inside its body 3) energy does not take the form of heat, even if the animal is warm inside, but it comes from an external source which bathes it continuously, and this admission of the existence of an essential energy explains all phenomena in Physics.

The notion that everything from electrons within atoms to suns and galaxies in space can remain in orbit without a sustaining energy is magical thinking worthy of medieval times. In 1938 the German physicist Hans Bethe suggested that nuclear fusion would be the energetic source of stars (in this case, hydrogen becoming helium) putting an end to some of the superstition in science.

E4

The Need to Conscientize the Unity Among All Phenomena

In this chapter I intend to show how everything on our planet is interrelated, whether energy or (as many people think) matter, for in fact, matter is a lower level of energetic vibration but always derived from and subordinate to a higher level of energy. We must perceive that the inferior can only exist in relation to the superior.

I would like to make it clear that electricity and magnetism are not the same phenomenon as James Clerk Maxwell (1831 – 1879) believed – needless to say, because he was a mathematician he dealt only with calculations. In any case, he elaborated an erroneous idea that others followed. Maxwell, like Michael Faraday (1791 – 1867) and Hans Christian Oersted (1777 – 1851) noted the relationship between magnetism and electricity, but I believe that the latter is a consequence of the former. Oersted discovered that when two separated coils are connected to an iron ring and electrified, each exerts a magnetic effect upon the other, even though the coils are not connected to one another. In my opinion, this fact shows that energy is an external force, becoming electricity when it is captured. This is why the second coil becomes magnetized as well – because there cannot be an effect at a distance without an energetic connection between the two objects.

It should not be difficult for the reader to perceive the consequences of this discovery: 1) there is an infallible connection between all beings and all elements, 2) most importantly, each exerts an influence upon the

other and 3) energy exists in the “air” and it can be captured anywhere in space. We must not forget that Faraday considered magnetic energy to be a “field,” an idea which Maxwell later distorted with his mathematical calculations

Michael Faraday, in his famous experiment, noted the influence between electricity and magnetism at a distance, giving the interpretation that they were a single phenomenon – I believe they are interchangeable forces (including the force of motion.) Let us say that each possesses the same type of vibration that acts differently. Two different phenomena cannot be the same at the same time. When the physicist noticed that the second coil became electrified at a distance, he “unified” electricity with magnetism, as if they were one single element – but in reality they are merely interconnected. We might say that motion, magnetism and electricity are connected to one another, each being unable to exist without the other. The magnetic field is not generated by the magnet but simply captured by the magnetized iron– in the same way that the energy that forms our feelings and ideas is not produced by the brain but captured from the exterior. One proof of this is that if a magnet is broken in two the same two poles will appear again – even if the break is on the side of the opposite pole.

In the past century (1830) both Michael Faraday and Joseph Henry showed that magnetic fields generate electric fields - and James Clerk Maxwell believed that a variable electric field would generate a magnetic one (1860). Lightening bolts prove that electricity is formed by natural energy, that is, a phenomenon produced by nature – similar to the generator which collects external energy through its spinning motion. The many wires within the transformer make better use of magnetism, because they form a compact net in order to capture external magnetism. Benjamin Franklin (1706 – 1790) believed that electricity was conducted by a fluid, a common belief shared by most of the scientists in the 18th century and elaborated by Francis Hauksbee (1666 – 1713) when he verified that by placing a hand over a spinning vacuum jar, electricity and a strange glow were generated; if both Hauksbee and Franklin had considered the conducting substance to be energy instead of fluid they would have been right.

Light can only be produced when an electron drops from one orbit to another, creating an opening through which the energy contained within the nucleus of the atom passes through to the exterior – in other words, it is through the weakening of the electron that the energy of the nucleus is able to manifest. In 1887, Albert Michelson and Edward Morley verified that the earth's motion did not affect the speed of light, showing that this light speed was closer to essential (scalar) energy and because of this was superior to other motions. On the other hand, if light travels a long distance, it is because space is neither empty, nor full of ether, like the Dutch mathematician and physicist Christian Huygens believed – but full of scalar energy which forms and feeds the projected light rays and according to its intensity can be manifested either as waves or in the form of particles.

When we say that the sky is full of stars, it would be more appropriate to say that space is flooded with essential (scalar) energy. Light and sound, smells, taste and touch are transmitted through waves which manipulate external feelings, leading human beings to perceive these phenomena or not. Clearly, the will is involved, causing perception to become flawed. What occurs in the electrical and magnetic fields, happens to an even greater extent in the psychological, which operates at speeds far superior than any on the physical field, including the speed of light. Clearly, there is no way to measure the psychological field, because it is pure energy.

Abdus Salam explains that weak nuclear force was first discovered by Madam Curie and that this force also performed a crucial role in the sun's production of energy, being a universal force existing only in left helicity particles, with an intensity of 10^{-5} times smaller than electromagnetic force. This counterclockwise motion represents one aspect of essential energy: 1) because of the violent force needed to produce solar energy and 2) because it is universal, being contained within all elements, "Physics considers scalar electrostatic potential to be a single charge coming from the infinite, and Quantum Mechanics adds that primordial energy derives from virtual particles – giving the idea that energetic pulses only exist sometimes, before returning to the void from which they came! We know that everything that exists comes from something previous, and better, from a superior energetic system, which can even be captured in the form of particles within an observable

space-time dimension. *(*Sinfonia da Energética *]Symphony of Energetics]*, S. Salvo, page 41). In Physics, particles determine the type of potential, giving the notion that they produce energy – and not vice-versa as I am showing. Thus, it is precisely the highest level of energy that generates everything that exists.

An identical phenomenon occurs in genetics, for cell division (after conception) is formed by an instinctual motion, and always from the one to the pair (and vice-versa) as if the same force moved in two directions: the gamete and the ovum forming a single organism, resulting in a fertilized egg which divides and re-divides itself, forming pairs of chromosomes with two poles (north and south), all of which is initiated by the double helixes of the genes to create a single being who will generate others.

PART – F

Correcting Genetics

The Double Helix Reveals the Energetic Nature of DNA

The double helix reveals how the vital principle is triune, that is, the connection between essential (scalar) energy and chemistry taking the form of a helix: “The core of the helix is occupied by the purine and pyrimidine bases - the phosphate groups are on the outside...The pairing of the purine with pyrimidine is very exact, and dictated by their desire to form hydrogen bonds - adenine will pair with thymine while guanine will always pair with cytosine” (“The Double Helix,” James D. Watson, Letter from Jim to Max). The problem arises when the scientist thinks that life comes from matter and not from a dual energetic element, which in turn creates a chemical reaction. This is why modifying the genetic code cannot be positive, since any alteration in the chemistry of the gene will generate a distortion, because energy can never be modified at the fundamental level.

We must be grateful for the work of James D. Watson because of his discovery (together with Maurice Wilkins and Francis Crick) of the double helix of DNA. In order for it to perform its task, the perfect pairing between purine and pyrimidine and adenine and thymine must take place. In all biological functions two elements must necessarily be combined to generate a third – otherwise, a congenital defect will occur causing one of the helixes to remain inverted. DNA contains equal amounts of cytosine and guanine linked to hydrogen, adenine with thymine, and guanine with cytosine forming a double helix.

Without a doubt, there is a defect in the double helix of the DNA which the individual must carry throughout his life. We are inverted from the start. For example, a person's initial desires are selfish, and only after much reflection might one abandon one's egocentric attitude and serve the well being of others. A person feels as if he must act for his own benefit, even if this sacrifices the lives of others. It is as if this behavior were imprinted in our genes because of a low level of energy that can no longer allow us to use the entire scope of our DNA the way we should. All movement is bi-directional, otherwise it would not exist. Everything that comes, also goes, otherwise it would not be able to come or go. As a logical conclusion, if all things are dual in nature, then they must be regarded in this manner. On the other hand, there would be no way to preserve matter (or energy), if this dual type of motion did not exist. We can therefore say that to be is to live within this two-way field of energy, or that the being lives within a field containing two complimentary forces.

In x-ray photos taken by Rosalind Franklin of both the A and B forms of crystallized DNA, one notes the existence of a truly bright nucleus surrounded by the double helix in motion, indicating a strong resemblance to the atom. As James D. Watson writes on page 73 of his book The Double Helix: "Before initiating any construction of models one would have to decide if the chains were formed by hydrogen or ionic bonds involving negatively charged phosphate groups." What he means to say is clear, because hydrogen contains only one electron and the ion represents a way through which the scientist can explain the underlying energetic factor. Everything that exists is comprised of a dual motion: both energetic and material (matter also being a form of energy).

Watson and Crick's discovery was that of perceiving that adenine only pairs with thymine, and guanine only with cytosine – the four available building blocks of DNA. This proves my thesis about two elements which combine to form a third, thanks to the essential energy of the nucleus, which controls movement within the cells. The double helix which forms the cell is not only responsible for the beginning of life, but especially for its maintenance second by second, due to of the job it plays in receiving vital energy and transmitting it to the entire organism through the various biological elements.

We must not forget that the discovery of the DNA double helix (deoxyribonucleic acid) by James D. Watson, Francis Crick and Maurice Wilkins was inspired by Physics, because both Wilkins and Crick were former physicists and the latter was inspired by the work of another scientist in this field, the Austrian Erwin Schrödinger who wrote, *What is Life?,* and proposed that genes would be the key to the components of the living cell. Simultaneously, the bacteriologist Avery from New York discovered that hereditary features could be transmitted from one bacterial cell to another through purified DNA molecules. Coincidentally, the chemist Linus Pauling also was aware of the existence of the alpha helix.

But what I believe is that the fundamental factor in the true "tree of life" is not the chemical elements it contains, but the energy which makes the helix spin, subsequently creating all other elements. So much so that mutations occur in the energetic alteration of the helix which in turn distorts the elements within the cell, including the RNA. Watson, Crick and the other DNA researchers never focused on the energy within the double helix which forms the resultant elements: amino acids. Matter derives from energy, and the form that matter takes reveals the type of energy it is made of.

"When we move, a series of chemical reactions provoked by the food we ingest take place that give the muscles energy*,"* explains the book "Chemistry" from Visual Science, Verbo Publishing House, page 8, Portugal; Here, the reader may note that this book conveys an erroneous idea that the strength of the body would come from the food produced by chemical reactions in our body – and not that both the body itself, and the structure of the chemical components generated by the food we eat, are derived from the essential scalar energy that prevails in space and even sustains it. If we were to disinvert Watson and Crick's Genetic Code by inserting the energy that created the double helix into the equation, we could profit from a much greater combination of elements. We have in our structure energy millions of times faster than the speed of light, providing us with an almost unlimited potential for development.

F2

Genetics Can Be Perfectly Understood If We Base our Understanding on Essential Energy

"The secrets of life as understood by genetics are reduced to the prosaic combination of four substances called adenine, cytosine, guanine and thymine, abbreviated by the letters A.C.G.T. They build the genes which in turn organize the assemblage of millions of other substances to give form to living organisms." *(*"The DNA as Medication," Ingenium – July 96, Mário Gil, page 86). "It has not been possible yet to create life in a laboratory from non-living matter. Therefore we have a problem: how did life appear on Earth from a "soup" of non-living molecules?" *"(*Matter," Visual Science, Verbo Publishing House, page 42). How can we answer this question? Does the author mean that if there were not human beings, life would not be possible?! And does he not contradict himself? Here we see the problem of theomania that I consider a fundamental factor in the etiology of disease, or better, man's wish to possess divine power.

Scientists have gained an understanding of how things work from the genetic level to the fully formed organism but moving backwards from the genes to the energetic source everything remains obscured. Even if we still have an entire universe to discover; some researchers have merely caught a glimpse of it, but did not have the courage to go further – as was the case with Freud himself, Jung, and in Physics, Rutherford and Einstein. Beginning in 1990, genetic research developed greatly, and the scientists came so far as to admit the existence of inversion, or

rather, that alien genes could function as authentic ones, admitting that much of our present DNA derives from parasites! (Genetics, Steve Jones and Borin Van Loon, pages 106 and 110).

Geneticists believe that the flow of genetic information can change direction and that RNA produces DNA, fabricating a retrovirus, and forcing it to make copies of the alien invader. This fact contradicts the central "dogma" put forth by Watson in this science: that only DNA could be the fundamental building block. Scientists call this phenomenon genetic inversion, a central point in my body of work which explains the formation of neuroses (psychological disturbances). Practically speaking, then, we are dealing with an artificial element that does not exist on its own; it commandeers the biological process and coincides with my fundamental discovery that illness (evil) is the privation of goodness (health), or better, the desire to live impossible fantasies.

If an individual transforms his energy and allows parasitic genes to enter, he disturbs the functioning of his DNA. The chromosomes are susceptible to the attack of parasites due to the fact that human beings have deformed their psyche. Barbara McClintock discovered that one gene could cause a mutation in another. The study of genetics has left much to be desired because it has only considered matter (chemistry), and has not taken into consideration energy, which is connected to disinverted Physics and metaphysics,. One of the biggest mistakes in genetics today is the belief that the brain functions like a computer in a forest of molecules. This is what is called genetic engineering, where an attempt is made to create a complete genome to approximate the chemical code of nature.

Geneticists explain that all disease is linked to genetic factors, but they have not yet perceived that there is an underlying energetic (psychological) cause. The same is true for health. One can notice that one always has two different kinds of feelings or ideas that can even be opposed to one another. One likes or rejects, approves and disapproves, believes or disbelieves. This is because of the bi-directional energetic motion that always begins with a retraction so that it can be later disinverted (if one is not very sick). The healthy individual always thinks in the beginning that he is wrong about something, while the sick person believes that he is always right – preventing the double

helix from functioning correctly. I believe that only through the perception of something wrong, we will understand what is right.

In neurosis-psychosis, an individual becomes aggravated because he thinks that by rejecting his sick thoughts (or emotions) he will be losing his life. No matter how many negative elements exist in the structure of the helix itself (and even in the DNA), science should correct such a problem, and this is also the idea of biology professor Steven Rose in the book that he wrote with Lisa Appignanesi Towards a New Science (page 11). By understanding how the double helix acts in the cell, we learn about feeling and thinking, which are energetic elements that operate previous to the functioning of the cell itself. It is not difficult to perceive the non material nature of feelings and ideas. The more we study matter, the more we know about energy, and the more we know about energy the more we understand matter – as long as we take both factors into consideration.

The chromosomes of all living organisms have a similar chemical composition, because of a common substance (deoxyribonucleic acid). Thus, scientists believe that through the fundamental nucleotide base (A.G.C and T.) they could manipulate the vital principle the way they wanted. I believe that energy provides the key to understanding how DNA works, which, in turn, determines the physical-chemical structure and is directly dependent on essential (scalar) resonance, which acts differently in the chromosomes of animals and human beings – an element which is impossible for scientists to modify. It seems that at this level there is a very refined energy which cannot be detected by scientific instruments. It is not difficult to perceive the enormous difference between the behavior of an irrational animal and one that is gifted with reason. To date, this field has been practically unexplored by science.

There is no doubt that the biggest problem that living beings face is genetic. But, there are ways to counterbalance it by adopting a more balanced behavior. The problem cannot be completely eliminated but it can be greatly improved. This is why we must unify disinverted Physics with biology, so that a new vision of man and his society can arise – and this optimistic and natural way of thinking will inevitably lead to an improvement in the human genome. We must not forget the

fundamental importance of Mendel's principles of heredity which showed that recessive genes are not predominant, allowing the best to dominate – but never without the aid of the human will.

F3

Only Energy Can Correct Illness

Geneticists have perceived an enormous disarray inside the cell itself and even within the gene: “most of the DNA was just a few oases of sense in a desert of nonsense…even humans seemed to contain quite a lot of meaningless DNA….Often, the order of the DNA letters made a palindrome: they read the same backwards as forwards….Even nuclear genes may behave in a selfish way…beginning to look less pure and less simple than Watson and Crick had thought” (Genetics, S. Jones and B. Van Loon, pages 92, 93, 96 and 97). The process of psychological inversion that I discovered is echoed in the genes, because genes produce different chemical substances when their code is read from left to right (contrary to what it should be). If this were not the case, how else would it be possible for tiny viruses to exist without nucleic acids, and receive coded information directly from the proteins?

We must admit that the modern orientation followed by geneticists is taking an extremely dangerous and organically-oriented path. For example: it has developed a pessimistic (deterministic) philosophy of life about the dominant nature of some degenerative diseases, such as those which harm the central nervous system such as Huntington’s Chorea, AIDS, Cystic Fibrosis, and problems that arise from homosexuality in general and especially mental illness (schizophrenia, epilepsy and maniac-depressive psychosis). This direction resulted from René Descartes in the 17th century who introduced the idea of independent dual substances (body and soul), each with its own laws, and each unable to perceive that they derive from a single substance, with a greater (essential) energy predominating. “Genes can be put into

animals. Engineered sheep produce human growth hormone in their milk: and there is even hope of engineering potatoes to make human proteins which could be used in medicine." (Genetics, S. Jones and B. Van Loon, page 143). If the gene were only comprised of chemical components this might occur, but the moment the gene is removed from the body, all of its human characteristics change because it loses the original (essential) type of energy which gives form to its substance and permits it to completely adapt to the form of energy found in the other body into which it is introduced. For example, we cannot say that a wild animal becomes human when it eats human flesh – or, in the case of cannibals, that humans can attain the qualities of the people they eat. What truly nourishes the being of an individual in his entirety are good feelings and ideas, and these can transform his substance.

The healing of diseases through the chemical correction of the genes reminds us of the mythical idea that humanity's problems can be solved by means of miraculous fluids. What geneticists do not perceive is that it is impossible for an animal to carry a human protein or gene. The moment the chemicals within a human molecule are inserted into an animal, they acquire properties of that animal and lose their original condition. Geneticists sometimes rush to hasty conclusions in their research and disregard energetic and psychological factors, an attitude which leads to an inverted idea about reality.

They urgently must renounce the idea that food provides all the energy that sustains life: 1) because our food is comprised of chemical elements that are inferior to life and 2) because the food itself is a by-product of the energy that gives rise to its existence. Watson and Crick's hypothesis of the double helix demonstrates the existence of two irrefutable aspects: 1) Energy controls all movement within the gene and 2) life can only be created when two complimentary elements of the same kind are combined. The brain is round so that it can receive an influx of energy that comes from outside itself, and the pineal gland (placed precisely at the center of the brain) receives this energy, having also the purpose of expanding this energy to the organism and transmitting it to the external world in a symbiotic relationship between the organism and nature. All fundamental motion is circular due to its vibration origin, determining afterwards other types of changes always in this identical disposition.

Any illness (no matter what it is) is extremely attractive to its possessor, as if it were something truly positive. This is due to the inversion of the helix, whose opposing movement gives a feeling of “accomplishment” that is difficult to understand. How is it possible to like something harmful? However, this phenomenon has even affected the human genotype, with terrible results as if this contrary movement that dominates us were something natural.

But here is a key point: just as pathological genes were created by an inverted attitude, they can be corrected by normal behavior, and it is even possible for new genes to be created, bringing the body back to normal. After conception, the ovule divides and re-divides always forming pairs of chromosomes which align themselves to the north and south – as in magnetism. The most important thing is that the chromosome is formed by the DNA with its double spiral and chemical processes. Indeed, the structure of the embryo and that of all living beings derives from the same fundamental energetic system.

Protons and electrons are two aspects of the same phenomenon - which alternately appear as protons and electrons - just as magnets are “positive” on one end and ”negative” on the other. A fish will cook whether one places it onto a burning coal or the burning coal is placed on the fish. We can easily see that both vegetables and animals are derived from energy. The appearance of the roots, trunk and leaves of trees reveals the perfect structure of the forces that form them. Yet the confusion between the material and energetic components of an organism is most frequently found in genetics.

Be assured that if there is not a continuous infusion of sane energy into our cells and especially our DNA, mankind will soon become like monsters, witches and “Frankensteins.” Illness itself is already an indication of such a state. In any case, genetics as we know it today, will soon become a passing fad, like all the rest – and science shall be forced to consider the psychosomatic component, taking the predominating psychological energy into account.

Behavior Can Heal Not Only Illness But the Genes Themselves

At the beginning of the twentieth century scientists believed that humanity could rid itself of criminals and obsessions simply by changing its genes. Lombroso, an Italian researcher, speculated about the possibility of there being what he called an “innate criminal” (genetically predetermined). One need merely alter our genes and the Earth would become populated by angelic creatures! Later, with the discovery of DNA and then RNA, a genetic mutation seemed very possible, but in reality this was not the case.

The laws of inheritance discovered by Gregor Mendel were optimistic because they revealed that there were dominant genes which would prevail over recessive ones, leading to the gradual perfection of the genes themselves. In a first experiment Mendel cross-pollinated smooth yellow pea plants with wrinkly green peas (parental generation). The result was that every single pea in the first generation crop was as yellow and as round as was the yellow round parent. The yellow completely dominated green and round dominated wrinkly.

Continuing the experiment he planted seeds from the all-yellow, all-round crop, achieved from the parent generation, and self pollinated the grown up plants. The results led to some surprises. Most of the second generation of peas was yellow and smooth, but some were green and wrinkly. After repeating the experiment many times he noticed that the second generation had constantly a 3:1 ratio of yellow to green and round to wrinkly – that is why marriage between close relatives is inadvisable.

In 1944 when Avery, McLeod and McCarthy were researching the bacteria that cause pneumonia they discovered bacteria also had genes. By uniting dead colonies with live ones, the latter would predominate and the disease would be eliminated. Little by little they began to regard the chemistry of the gene as being the key to genetic knowledge: deoxyribonucleic and ribonucleic acid, the former in the nucleus (DNA) and the latter in both the nucleus and the cytoplasm (RNA). What was most remarkable about the work of Watson and Crick is the chemical mechanism of inheritance that they discovered, an enormous leap beyond Mendel's laws.

One of the greatest discoveries of genetics is the inversion that takes place within the cells when they are attacked by a virus, or better when the RNA produces DNA. This is called a retrovirus because of its reverse transcriptase, which forms hosts (artificial elements) that practically become a new "DNA" and due to their unnatural condition, the organism will eventually die. It is as if sickness has gained control of the physical body because it is an artificial element (which cannot exist by itself) thereby causing the original cells to die. How can a fertilized ovule develop into an incredibly complex human being? This question can only be answered if the scientist takes into account the energetic factor Aristotle called the substantial principle (form giving rise to matter and the soul giving rise to the body).

Because human beings are formed by an energetic vibration, both the psychological and the physical are dependent on it, which is why if there is an imbalance in one of them, the other will automatically be affected – and the contrary can also occur, because if one is corrected, the other will be corrected as well. Nevertheless, the most important area (the psychological) exerts a decisive influence over all. This being the case, psychological behavior is key. If RNA can become DNA, then the psychological can even more readily become organic (of a lower vibration). Through the study of genetics it is easy to see that pathology comes from the disturbance that the human being causes in his own life when he changes the essential characteristics of his behavior.

I believe that the problem of free radicals (oxidizing molecules) lies in the energy that permits the rapid oxidation of the organism – and evidently also disturbs the functioning of the atoms within the molecules.

Taking melatonin (or other supplements) might help a little, but what is key is the energetic balance of one's behavior. It seems as if our initial impulse is to contract, so that later one might do something correct. One initially starts with "no" and only then acts correctly. If the individual is suspicious, only through the opposing elements of confidence and love will he be able to get into contact with his adversarial attitude and his general hostility towards those who do good. I believe that when the human race began, the two movements of the genetic helix were entirely positive, which no longer occurs, forcing us to depend upon common sense and reason in order to reach reality.

Physiology must be studied in conjunction with Physics, in order to stop considering it from the stagnant point of view we have had up until now. After all, the body is a working organism, which disintegrates when it stops moving. Genetics' greatest problem comes from scientists' ignorance of man's energetic and psychological nature. Charles Darwin understood natural selection to a limited degree (and not in its broader sense) believing that small adaptations were mutations in the species. It is in Physics that the material and the spiritual meet, even if scientists refer to this as energy.

I can say that a correct law is a natural law, and it is not only external but especially internal, or better, related to thought. This is why Aristotle perceived that the comprehension of truth causes great satisfaction – and an erroneous idea causes displeasure. Goodness reveals sickness, because it is through goodness that an individual can perceive his infirmity. If a person persists in doing evil he will never know health or the mistake itself, for only reality in itself can lead a person to perceive the fantasies he elaborates about what cannot exist, but this possibility can occur if one is supported by the goodness that sustains all things.

PART – G

Disinversion of Metaphysics

G1

Science Originates in the Human Mind

When Heisenberg met Einstein in the spring of 1926 in Berlin, he became astonished with Einstein's statement that "theory determines what can be observed" (Pages of Reflection, W. Heisenberg, page 84), demonstrating clearly that every scientific work comes from the mind of a human being which provides what is needed to accomplish the task. Human beings create science, society and civilization itself; but, we must distinguish thoughts which are correct from those which are incorrect. The former allows for true scientific knowledge and the latter spreads terrible confusion throughout the world – but there can be no doubt that humans create science. After all, the mind works according to the laws of nature and even machines do the same – perfectly or erroneously, according to their connection with reality. Therefore, to speak about the philosophy of science is nonsense, because philosophy comes first and precedes science (we cannot derive philosophy from an experiment). No matter how many experimental inductions one makes, they will always be guided by ones thoughts – and only in accordance with the philosophy of the individual.

We can say that science itself is necessary for a thought or a belief (a theology) to be proven, but not to formulate them because thought and theology come from a higher level. There is no philosophy of science, and nor is there inductive science. What exists is either a right or a wrong way of thinking. The former, in accordance with a correct philosophy or science and the latter, with a false philosophy or science. Both the philosopher and the experimenter use their minds to do

everything, and the results are either truthful or deceptive, according to their way of thinking.

The conclusions one draws from an experiment come mainly from one's head, whether these conclusions are correct or not, and the results of a scientific experiment will be either correct or incorrect automatically following the mind that performs it. First, the scientist falsely interprets the phenomena, and then, based on his mistakes, he creates an equally false philosophy. . Physics has come to believe that nature is chaotic and that only physicists could bring order (Law of Entropy) – and not that nature itself is perfect but human beings create confusion and the physicists theorize about it! Physics has suffered the consequences of human pathology, becoming seriously ill as well. For example, beginning with a false premise, Einstein arrived at a series of equally false conclusions such as the idea that "light has mass" ("Energy," Visual Science, Verbo Publishing House, page 44) and not that light would be one of the first visual manifestations of essential scalar energy, before mass is formed.

We believe that the Scientific Revolution began in the 16th and 17th centuries – and not that it has always existed, even if precariously. In any case, it stopped in the second half of the 20th century: 1) due to socio-economic interests that do not want to relinquish their power, believing in profit at any cost 2) because inductive reasoning has reached its limits. We might say that due to an erroneous methodology, neither induction nor deduction alone are enough to explain a phenomenon that is always dual. We must combine the two in order to understand a fact itself, or rather, it is only through the union of the two that we can also understand the totality of something that is in and of itself dual by nature. I call this process *dedinduction*. Man wants the freedom to negate and reject what is good, but without any harmful consequences. And similar to the double helix, within the gene any opposition to one of those motions ("negative," initially) is considered to be a "loss" for its bearer. This is the same as affirming that restricting evil is evil and not something good.

There is no doubt that the thought derived from science at the end of the 20th century has become pessimistic and deterministic because of its biological approach derived from genetics, and the incomplete ideas that

scientists within these fields have developed and not in accordance with the reality of biology in general. What is good, right and beautiful derives from the sanity of the human mind, just as what is bad, erroneous and loathsome comes from insanity. And just as faulty scientific knowledge is arduous, the ignorance of a correct philosophy or theology also represents an enormous loss to the lives of the ignorant individuals– and the value of their lives is considerably diminished.

When all is said and done, we must recognize that truth comes first in some people's minds, and is later proven through experimentation. In any case, the human brain (when it is well balanced) is the most perfect "mechanism" in the universe, because it has built the world as we know it. What is important here is to become conscious of the behavior of those who are insensitive and who possess economic power, in order to stop their voracious thirst for destruction. Without philosophy (and theology) nobody survives. When the researcher wants to create a pure science, he automatically uses his own way of thinking (his personal philosophy of life) to do it.

The scientist cannot create a philosophy or theology of science, but he can present the results of his research. The philosopher or theologian must use scientific induction to form his thoughts – let us say that without scientific data, he will not be able to formulate his ideas, just as a scientist cannot get too far without the components of philosophy or theology. One cannot live without a philosophy of life nor can one live without theology (faith). If these are not inspired by the great thinkers, we will get inspiration from fads, pop psychology or TV talk shows. The great scientists do the same without perceiving it basing their research on more authentic ideas, or following ideas that are less noble, but in any case their work is in accordance with the thoughts that come from their minds.

In order to have a correct idea, the human being must have balance, which means he must have conscientized his pathology. I believe the same is true of scientists if they are to be correct in their research. This being the case correcting one's own pathology as much as possible is the first and most fundamental step if one is to foster authentic ideas and experiments. Consciousness, ideas and accomplishment are the three fundamentals of existence.

Any scientist who postulates a theory uses a “philosophy” and a “theology” at the same time. No one creates pure science. The same is true of philosophers who combine science and theology, and theologians who combine philosophy and science. These three elements are inextricably linked, which means that at all times and in all places human beings act within these three disciplines. There is no such thing as separate ages of theology, philosophy and science, each evolving into the other as in Comte’s “law of three stages”. At different times, one predominates over the other but the three always exist and in order for humanity to become balanced, it must urgently blend all three to the same degree.

I believe that, in general, everyone lives unconsciously within these three disciplines, working continuously and almost endlessly within them with each passing day. This being the case, it is fundamental that we truly come to know and respect each one of these three disciplines as much as we can because each uses a different method of perception even if they are essentially the same.

Because Physics Is Based On Inverted Metaphysics We Must Disinvert It

It is really astonishing to see how much modern Physics is connected to Aristotelian metaphysics, which has inverted its deductions. On the one hand, the Stagirite rejected philosophical atomism replacing it with the doctrine of Hylomorphism (matter and form) whose underlying principles follow Plato. I believe that Aristotelianism is much closer to platonic dialectics than many researchers believe. Leucippus and Democritus' philosophical atomism could not be understood precisely because at the time science had not sufficiently developed. Even if they had taken an underlying psychoenergetic element into consideration, it would have to be seen as the fundamental basis of life and knowledge.

Atomism, if corrected, should consider the process of knowledge in a different manner than traditional metaphysics, because it would take the energy that commands motion within the cells into consideration. In other words, the cells, the senses, intelligence, and the body in general constitute that energy that vibrates differently in various parts of the being. Thus, everything one does is the manifestation of the force that manifests in a psychological, organic and even vegetable form. This fact reminds us of Gottfried Wilhelm Leibniz' (1646 – 1716) statement: "Nothing dwells in the intellect that did not dwell earlier in the senses, except for the intellect itself." (The Kingdom of Man, 2nd Vol., N.R. Keppe, page 207);
I can add that everything is a manifestation of the energy of the soul: intelligence, the senses and matter itself. Later, George W.F. Hegel

(1770 – 1831) added three fundamental ideas: (1) the naivety of experimentation, believing that through experimentation one can come to know truth, 2) empiricism's mistaken denial of the extra sensory (as John Locke did) and 3) inherent knowledge of an object precedes thought (The Encyclopedia of Philosophical Sciences). In fact, prior to Hegel, Immanuel Kant (1724 – 1804) wrote in *Critique of Pure Reason* that not all knowledge comes from the senses, as Locke and Aristotle believed. I would add that all senses are the consequence of an energetic vibration. I can even affirm that man is one single substantial vibration from the soul to the body.

What Aristotle called soul is an energy that forms everything, even the body. If this were not the case, we would be made of two substantial principles, as his mentor Plato, and, later, Descartes, believed. This idea continues in experimental science today, causing enormous confusion. Human beings are a single vibrating energetic system which encompasses the soul and the body. This (substantial) energy manifests intellectually, sensorially or instinctively according to the fundamental vibration of essential scalar energy and contaminated by any barriers in its way.

The human being is a vibrating scalar element which manifests in a psychological (spiritual) or organic (material) form with all of its positive qualities. This is why knowledge is complete and we grasp it bit by bit, according to our level of acceptance. I believe that our perception has been damaged because we have fallen into a lower level of energetic vibration, becoming unable to perceive phenomena in their entirety. There is a defect in the way we perceive things that causes us to view them in parts (rather than as a whole), contrary to the way they should be. Here, we can perfectly understand Leibniz' idea of the monad, as well as the ideas of Kant and Hegel who believed that Knowledge occurs from the greater to the lesser. Because these philosophers were correct in their deductions, German civilization made an enormous leap forward, paving the way for that country to develop science and modern technologies.

The correctness of a science depends upon how correctly it perceives a phenomenon, its degree of awareness. Thus, we must admit that a person himself limits what he knows. If he did not oppose knowing

because of envy he would enjoy incredible development. The process of knowledge is a question of accepting what the mind grasps. According to Plato's heuristic principle: "no one tries to know what he already knows nor much less does he try to know what he does not know, because no one tries to become aware of what he is already aware of nor much less does he try to become aware of what he does not know exists" (History of Philosophy, Volume I, Nicola Abbagnano, page 144).

The metaphysical philosophical thought has always been inverted, ever since Aristotle affirmed that "nothing dwells in the intellect that did not dwell earlier in the senses," giving priority to the inferior, and allowing it to form the superior. Because the study of modern Physics was based on metaphysics, it made the same mistakes, believing that the lesser created the greater: potential creating action (or in philosophical terms: potentiality [potency] generating actuality [act]). When some thinkers and scientists severely criticized metaphysical Aristotelianism, they were correct because the famous Greek philosopher was inverted, causing knowledge to decline. In nature there are no opposing motions, one against the other. All are complementary; but man created antagonistic behaviors, pitting no against yes.

If Physics came from metaphysics, scientists could use logic to understand both fields and better conduct their research. They could even correct false philosophical data so that civilization might follow the right path. It is an extremely big mistake to think that the human being can orient himself correctly by advice that comes from scientific induction. Deduction precedes induction, in the sense that the researcher already has an idea about what he wants to do. The question is: is the researcher connected to reality or not? I use the word *dedinduction* to clarify that any scientific behavior is initially formed in the head of the scientist and only later confirmed or denied by experimentation. The individual only seeks to know what is already within his mind in an integral sense (act), not succeeding in understanding it very well because of his psychopathology. The problem of knowledge is that of opposing, distorting or denying pure act thus impeding the proper functioning of our being.

Substance (act) carries within it the form of everything that exists, or can potentially exist. When physicists speak about the wonder of the atom,

they are revealing the incredible and fantastic universe of the psychoenergetic principle. “The ultimate building blocks of nature consist of tiny vibrating strings”. “Nobody has seen these strings because they are much too small to be observed. (They are 100 billion billion of times smaller than a proton.)”(Beyond Einstein, Michio Kaku and Jennifer Thompson, pages 4 and 5). Einstein’s Theory of General Relativity led to the idea that the universe began around 10 or 20 billion years in a gigantic explosion called Big Bang, forming the galaxies, the stars, planets and celestial bodies – from a super dense ball. When physicists speak of a fantastic energy that was the origin of existence, this incredible force is the energetic principle that makes everything, which is why the human being is the most active element of all.

Without Physics it is impossible to know biology, and without these two it is not possible to understand psychology. To understand these three fields the human being must have his mind “illuminated” by a disinverted metaphysics. Each of these components is incomprehensible if considered separately, exactly because they are not complete in themselves. Only by combining Physics with metaphysics have I been able to find a satisfactory explanation for all phenomena, including those within the psychological life.

G3

Consciousness is the Correct Dialectic While Pathology a Pseudo-dialectic

Socrates showed that truth is engraved in our inner life and man's purpose is to find it. This led Plato to perceive the innate existence of the act of knowledge – but he also believed that it was necessary to blend good and evil and being with non-being to form reality. Aristotle corrected this, saying that both evil and "no", are merely the privation of reality (goodness). The attitude of the first (Socrates) opened the doors of the world to philosophy; the second (Plato) to the annihilation of part of life (matter and flesh) in a useless attempt to avoid making mistakes; and the third (Aristotle) believed that it would be possible to live without making mistakes, given that an erroneous thought could not exist on its own. Based on my research in Physics, biology and metaphysics I must admit that in addition to goodness (and knowledge) we carry in our cells host genes which have nothing to do with the natural ones – and in our psyche we carry, pathological psychotypes (*transtypes*[5]) which are born from abnormal feelings and ideas, creating enormous confusion in humans.

Note the enormous difference between pairs which go together such as: big and small, hot and cold, going and coming, and pairs which do not. For example, no is the denial to yes, death the elimination of life and bad

[5] *Transtype*: According to Keppe's theory of Transconscience, transtypes correspond to pre-existing universal ideas about unchangeable values, truths and eternal laws contained in transcendence that can be accessed according to the person's level of consciousness.

the privation good. These are divergent opposites, each eliminating the other. In ancient times Pythagoras of Samos used dialectics to establish the Table of Opposites: finite and infinite, even and odd, unity and multiplicity, right and left, male and female, motion and rest, straight and curved, light and dark, square and rectangular. But he also included evil and good in the same classification. And because he was a mathematician he did the same in Mathematics.

By the end of the 4th century (B.C.) the first great thinker appeared in Athens, who revolutionized society through dialogue (oratory dialectics). Socrates let the questioner express his ideas freely, and then he used rational arguments to lead him to consciousness, confident that eventually a noteworthy balance (a perfect psychoenergetics) could be awakened. The Greek philosopher knew intuitively about the existence of invading (artificial) *psychogenes*[6] which replace authentic ones, creating enormous confusion and at this point he introduced his method to bring the individual back to normal.

Continuing with his mentor's teachings, Plato perceived this duality believing that the world was dominated by two powerful and opposing forces, as if there were an eternal principle of good and evil (certainly inspired by Zoroaster from Persia); light and darkness; science (truth) and opinion (the way things appear to be), but also being and non-being. The Middle Ages, which was based on Augustine's concept of life (Platonic), is characterized as a disgraceful period, because it condemned all those who manifested any opposition to goodness, seen as a deliberately luciferian attitude. I used the word "manifested" because those who hid their opposition to goodness (and who were the worst precisely because of this) became the lords of society, killing and persecuting at will those who were the most sincere. In the 12th century there was a resurgence of Aristotelianism with Thomas Aquinas initiating a period of idealism in society, as if it was possible to eliminate evil and return to Paradise Lost (as the English poet Milton wished).

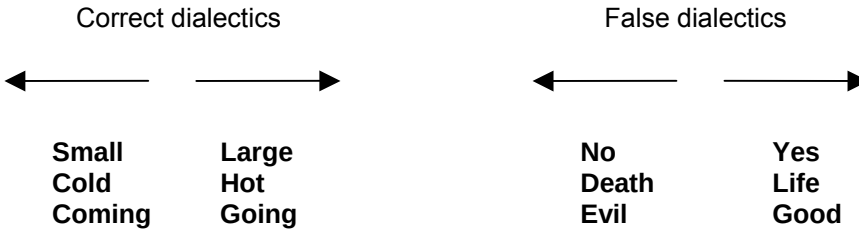
[6] Psychogene: Keppe's neologism for psychological genes. According to Keppe, psychogenes correspond to the psychological tendencies of an individual.

Let us say that Aristotle's followers (metaphysics, modern Physics, theology) have a very idealistic attitude, wanting to see a perfect universe. Those who prefer Plato (Augustine, Descartes, Kant, Hegel) are extremely far from reality. An ideal solution would be to combine the two, preserving the Aristotelian ideal, without making dialectic between good and evil. But we must work with this fact knowing that we live in an artificial world and become sick precisely because of this. This orientation failed in the Middle Ages because there was no consciousness of pathology. On the other hand we should combine the perception of Platonism with the disinverted metaphysics of Aristotle, in order to find true reality – which one day we might even partially reach in this life.

The human being always obeys two attitudes: one of denying and the other of accepting. The first is more spontaneous, and the second needs, above all, the will in order to prevail. We are obliged to recognize that Plato was more psychological and Aristotle more physiological in his deductions – and because the ideas of the latter predominated, civilization has more closely followed them. It is important to note how the latter spread his mentor's ideas in an erroneous manner by affirming the substantial union of matter and form; in other words, he united two entirely different elements. This, in turn, led Descartes to separate body and soul, and then modern civilization followed his ideas, which now permeate all fields, especially the sciences.

These two movements encapsulate the mystery of life, both in the process of knowledge and in the formation of neuroses and the other diseases which enslave humanity. I can explain this question now because of the recent discoveries of modern Physics and biology. Without a doubt, since ancient times, thinkers have studied the question of dialectics, demonstrating how the mind resonates with this idea, and thereby becomes man's greatest problem. I am showing that there is a two-way path to reality, which is why we are forced to consider it from

two perspectives, something that is more difficult now than ever, because of the dialectical antagonism that has developed.



In his original state, man compared small with large, cold with hot, and coming with going, because the source of life and knowledge used only to be dialectical. But, once no, evil and death were introduced, the ability to perform this function became extinct, leading to the present state of confusion we have today. Dialectics is fundamentally valuable in the study of a science because it is only by comparing one with the other that we are able to solve enigmas, such as the comparison between biology with Physics – which is the same as saying that they complement one another. When we speak about genetics, people understand it as the study of the formation of the physical structure of the body. But if the body is energetic in origin, we will only be able to know it perfectly by also knowing how energy works. This is what this book is about. My thesis is that the human being is comprised of a single energetic structure that forms everything, from the mind to the body.

Science has greatly aided the process of knowledge. Each perception, each action or feeling is derived from the pure act, as if they were sparks of a gigantic bonfire. It is very difficult to understand how feelings, knowledge and consciousness are formed because they are much greater than what the senses can register. Because the human being is a type of vibration, he is practically what he feels and thinks. If his emotions and ideas are correct, his structure will be perfect. But if they are impregnated with mistakes, the person will become a monster, who is deformed both physically and psychologically.

In order to understand the predominance of act over potential, form over matter and essential vibration over the material things themselves, we need only consider the magnetic force that causes the magnet to attract and repel objects. Act cannot be divided into pieces; it is the total that encompasses all that exists, forming everything. It constitutes the link between the transcendental and the physical, and with life and its source – much more than with itself. This act links the infinite above with the finite below, which is why it encompasses past, present and future; here, there and beyond. Just as white contains all colors, the principal core of energetic dynamics comes from the bright light that forms all kinds of forces. This is why consciousness can completely transform genetics not only in a material, but also in a psychological (psychoenergetic) sense.

Behavior (vibration), emotions and ideas do not come from being, but they *are* essential being. We can say that you are what you do, feel and think, which then becomes body vibration as well. Essence and purpose are the being (in its original state). The cause and the purpose are one and the same, the being itself. The being is the “cause” and the purpose of itself.

G4

Human Genetics Will Only Be Understood Through Psychogenetics

When a person is born, the genetics of his parents, grandparents and descendents is also transmitted to that new being, sometimes bearing a greater resemblance to a distant relative than to his parents. Carl Gustav Jung called this phenomenon an archetype and I call it a transtype (psychotype), which is a form of atavistic behavior – and he was unable to explain it well using only genetic theory. Considering that energy is fundamental, the psychological can exert great influence over the physical, and a person can even exhibit behavior which only existed in his remote ancestors.

Even more than what occurs in the human genes, the substantial principle is comprised of a kind of psychogenetics within which all types of behavior are possible, including the composition of the gene. Especially when it comes to knowledge, this fact demonstrates that the function of the intellect, senses and instinct are to bring one into contact with that “Psychotypology”. Thus, we can understand how knowledge identifies with its object, as if it were contacting something that previously existed. I called these energetic genes transtypes because the psychological life establishes an indefinite link not only with the psyche, but also with the most distant elements in time and space. What occurs in consciousness is an invasion of these transcendental types surpassing the purely predictable part of life.

In its true sense, energetic phenomena constitute the missing link in the understanding of the origin of the unexplainable facts about psychotypes to this day. The way one behaves, one's concepts of life and one's ideals greatly influence the psychophysical composition of one's children, grandchildren, great grandchildren and great great grandchildren, with the best psychogenetics predominating. It is important to perceive that the vital energy that comes to us is perfect, and that any pathology is always the product of an erroneous attitude, in the sense of impeding that force to act in one's own life.

Our psychogenetic structure was disturbed because of the introduction of the erroneous idea that good and evil are necessary for life. Dialectics (expansion and contraction) have been contaminated (just like a computer virus) by yes and no, life and illness, matter and antimatter as if they were absolutely indispensable to one another. Those who worship disease, pessimism and misfortune are trying to give glory to demons, showing how they could obtain victory by dominating the human being and civilization. In order to arrive at something correct, the individual must see his resistance to goodness, which is inextricably linked to the initial movement of the psychogenetic double helix. Those who love also reveal hate just as those who hate, direct this "feeling" towards the beloved object – something that is typical in persecutory paranoia. There are always two antagonistic movements in life. Most important is gaining knowledge of permission that the human being gives himself to think and feel whatever he wishes.

It is fundamental that Physics and biology embody the Aristotelian substantial principle in their investigation, but only in a correct manner, understanding the "soul" as an energetic vibration that initiates the structure of things. Only then it will be possible to understand why the genes of one plant are different from those of another and why an animal's genetics differs from that of a human being's (there is a prior element which originates the genetic structure itself) even if this factor is not able to be manipulated in chemistry laboratories. A human embryo can only exist inside the human body because of the psychoenergetic principle that forms the new being. Otherwise it would be possible to use animals and even test tubes to gestate a baby, dispensing with the woman. We can only say that a baby is alive if it grows within the female body.

Consciousness is the most energetic element of all because of its link between feeling and intellect, capturing directly from the mind the substantial forms of all things and transforming them into knowledge. In this sense, we can say that wisdom comes from above. The senses will never be able to become thoughts because of their inferior nature, like Aristotle, Descartes and John Locke believed, and later refuted by Leibniz, Kant and Hegel. This is why when consciousness stops, diseases appear, because this causes a psychoenergetic stagnation impeding better contact with the substantial energies that feed the psychological life.

The main question we must ask is: does a person want to live or not in accordance with the scalar (essential) energy that surrounds him? His health and development in all areas only depend on this, and to achieve it he is obliged to develop good feelings and thoughts. Anyway, contact with reality leads man to a greater harmonic relationship with the being itself, causing him great satisfaction. This is an increase of the very act of being.

Index

D

E

F

G

H

S

T

Trilogical Books in English:

by Norberto R. Keppe:

1. The Origin of Illness: psychological, physical, social

by Norberto R. Keppe
176 pages, Portuguese edition 2000, English edition 2002

"I wholeheartedly agree with Dr Keppe about the factors that create disease and prevent true healing. If we adopt the therapeutic suggestions contained here, we, our families and our society will experience healthier and more joyful lives."

Bernie Siegel, MD, author of *Love, Medicine and Miracles* and *Prescriptions for Living*.

Gain unshakeable inner strength during turbulent times

In this provocative book, psychoanalyst Norberto R. Keppe, Ph.D shows how the keystone of mental, physical and social illness is our unconscious resistance to goodness, truth and beauty, a battle waged within ourselves and against others. Richly illustrated with examples taken from more than 30 years of clinical research, Keppe uncovers the real reasons we undermine our health, stifle our talents and sabotage our success.

This book will help you:
-Learn the principles that have helped heal so many people around the world
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241 pp.

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249 pp.

A profound, easily readable and encouraging analysis of man, reality and mental health, with emphasis on the true spirituality that is to come in the third millennium. Keppe shows that the human being has contact with God only through awareness of his psychopathology. He affirms that humanity has a glorious destiny, but that we must first be willing to see how we reject it, condemning ourselves to illness and suffering.

by Cláudia Bernhardt Pacheco:

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183 pp, 3rd Edition

This uniquely perceptive and clear-cut scientific evaluation of today's woman, based on the author's first-hand experience with hundreds of clinical cases, analyzes the social and psychological reality of women and their struggle for true liberation, showing in practical terms how women can achieve genuine fulfillment and lasting happiness through greater awareness of their psycho-pathological attitudes.

2. The ABC of Analytical Trilogy: Integral Psychoanalysis
220 pages, English edition 1988

A comprehensive explanation of the trilogy which unifies science, philosophy and spirituality. Written in simple everyday language, the author explains the fundamental principles of Analytical Trilogy, the unique methodology created by psychoanalyst Norberto R Keppe. Analytical Trilogy studies the psychological roots of illness in individuals and society and treats them through a therapeutic model in individual and group psychoanalysis. It is also being successfully applied in language learning, cooperative living arrangements and employee-owned enterprises.

3. Healing through Consciousness: Theomania, the cause of stress.
183 pages, English edition 1983

Based on clinical observations and extensive bibliographical research, the author, a psychoanalyst, shares her unique observations about the body/mind connection. Stress taxes the immune system and makes us sick. But the worst stress comes not from outside but from inside ourselves. The author writes, "Ninety-nine percent of the time it is we

ourselves who adopt an attitude of persecution...fighting against life, against reality and principally against the consciousness of our errors. And the impending danger to which we are subject is the danger of having to cease being the godlike creatures we think we are. Because of this "theomania" of ours, we create our own torture chamber. Man struggles against his nature and his health and kills himself, while firmly believing that his interests are directed toward reality." In the first part of the book, the author analyzes the psychosomatic roots of many common ailments, including asthma, headaches, ulcers, cancer, glaucoma and arthritis. She discusses illness in children, the family pact, psycho social disease and more. The second part of the book is a comprehensive explanation of the therapeutic methodology of Analytical Trilogy and the technique of interiorization, which the author uses to treat patients in her clinical practice.

About the Author

Norberto R. Keppe, Ph.D. is an internationally renowned psychoanalyst, author and founder and president of the International Society of Analytical Trilogy (Integral Psychoanalysis) based in São Paulo, Brazil. He trained in Vienna with noted psychoanalysts Viktor Frankl, Knut Baumgarten and Igor Caruso. Keppe created Analytical Trilogy in 1977 after extensive clinical research with thousands of patients. In the 1980's and early 1990's he practiced and lectured in the United States and Europe where he developed his work on socio-pathology and metaphysics. Back in Brazil in 1997, he developed the Psycholinguistic Therapeutic Method for Education which enables students to overcome emotional blockages that interfere with learning.
He is the author of numerous books which have been translated into eight languages.

For additional information and to purchase other books by Norberto R. Keppe in English, visit the web site:

http://www.analyticaltrilogy.org

The discoveries of Physics are fundamental if we are to know not only biology and genetics, but especially psychology. But each of these three scientific fields has been inspired by Aristotelian metaphysics which the author of this book has been studying for 48 years. Keppe believes that the basic structure of Aristotle's scientific orientation is inverted and this has led the sciences to follow the same path.

Here, Norberto R. Keppe demonstrates the need to unify these three sectors (Physics, biology and psychology) so that each one can be entirely understood, since they are complementary and at the same time independent of one another.

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