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March Community Meditation Meeting Arcana Workshops, 3916 Sepulveda Blvd. Suite 202, Culver City, CA

Group Meditation New Moon Cycle Seed Thought

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It is the Fire of Love which He will bring; it is the message of the purificatory fire which He will sound; He will not teach anent the waters of purification, as has hitherto been the symbolic imparted truth; He will impart the fire which burns and destroys all barriers in man's nature, all separating walls between individuals, between groups and between nations. Are you prepared as individuals, as disciples and aspirants to submit yourselves to this fire? *Discipleship In the New Age Vol. I P. 722*

February 20 Through March 20, 2004

It must be remembered that the main objective of the Christ will not be to demonstrate power but to make public the already existent Kingdom of God. *The Reappearance of the Christ P. 163*

Note: Write to the Editors at webdisciple@meditationtraining.org

Theometry: The Reunification of Science and Religion

Thile watching the Rose Parade on New Year's Day, I was at first surprised to see a float featuring Pythagoras. When I realized that the theme of this year's parade was "Music, Music, Music", the appearance of Pythagoras was not surprising since he was responsible for the first study of the harmonics of a string instrument. Pythagoras also spoke of the harmony of the spheres, a sound originating from the planetary spheres at a frequency which human ears could not hear. Pythagoras was a philosopher, a scientist and a mystic, although he would have acknowledged only "Philosopher", since the split between the three fields occurred long after his time.

We are witnessing a revival of the Pythagorean ideals. A great synthesis is at hand. Mystics of all traditions are writing books about their teachings, and now, people have access to material which a few years ago was available only to initiates. Mystics are talking with each other and finding common ground with each other and with science.

With the unified field, a concept championed by the prophet Albert Einstein, we have at last a point of focus for the reunification of science and religion. After centuries of hearing about the conflict of science with religion, the synthesis of science and religion initially seems impossible, but it is essential to the well being of the planet and the species, so we persist.

As Oliver L. Reiser wrote in the Preface to Alice Bailey's *Education for a New Age*: "The simple truth is that the only counterweight to 'materialism' is 'idealism' and this must come out of the very heart of science, as an evolutionary development. Researchers who know the data of science must take our knowledge about nature and synthesize it into a body of integrated principles to establish the Pythagorean-Platonic-Bruno cosmology, a world picture similar to the pantheism of Eastern thought, wherein man can reverence nature because nature is worthy of awe and reverence." *Education In The New Age P. 10*

The split between science and religion is artificial according to Alice Bailey: "The lines of demarcation between science are a striking instance of [a split personality]...orthodox religion has temporarily separated the two great concepts of spirit and matter in their thought and teaching, thereby pushing apart religion and science...The task of the new age workers is to bring these two apparent opposites together, to demonstrate that spirit and matter are not antagonistic to each other and that throughout the universe there is only spiritual substance, working on and producing the outer tangible forms." *Destiny Of The Nations* **P. 127**

Arthur Koestler wrote about the need for unification of the scientific and the mystical in his monumental tome, *The Sleepwalkers*. "One of the points that I have labored in this book is the unitary source of the mystical and scientific modes of experience; and the disastrous results of their separation." *The Sleepwalkers* P. 425-426 Earlier on Koestler states, "The sin which led to the Fall was the destruction of the Pythagorean union of natural and religious philosophy, the denial of science as a way of worship, the splitting up of the very texture of the universe into a vile lowland and ethereal highlands..." *The Sleepwalkers* P. 85

Professor Huxley gave his view of this situation in the March 1886 issue of *The Theosophist.* "The antagonism between science and religion, about which we hear so much, appears to me to be purely factitious fabricated, on the one hand by shortsighted

religious people who confound a certain branch of science, theology, with religion, and on the other, by equally shortsighted scientific people who forget that science takes for its province only that which is susceptible of clear intellectual comprehension, and that outside the boundaries of that province they must be content with imagination, with hope and with ignorance." *The Theosophist* P. 409

For most of my academic life, I have been concerned with the first part of this synthesis, the unified field theory. This is an attempt to find a theory which encompasses all of the known forces of nature: gravity. electromagnetism, the strong and weak nuclear forces. Perhaps the lessons learned in that endeavor will transfer to this even greater synthesis. In my efforts to unify relativity and quantum theory, I had to search out the very foundations of both theories, becoming conversant with each field and with previous attempts to unify them.

In our attempt at unification, we must look at both science and religion to see what elements of each are compatible with the quest for synthesis. We must become experts in both fields before we can make any legitimate attempt to unify the two. There are basic problems with both of the patients.

As I discovered in my search for a unified field theory, the sciences do not offer a unified philosophy. Perhaps we should limit our approach. Since I do research in physics, I shall limit my considerations to the possibility of uniting physics with religion. Even then I am confounded, for physics, the most basic of sciences, does not represent a united philosophy.

The philosophical underpinnings of general relativity are in direct conflict with those of quantum field theory. According to the philosophy of general relativity, there is nothing but a continuum of fields, represented as the curvature of space-time and acting deterministically. At the opposite extreme, quantum field theory deals with point particles which interact by exchanging other point particles, and everything is governed by probability, that is to say, everything is acausal.

There are so many contradictory scientific writings that any attempt to discern which elements of which science should survive a synthesis is impossible. I will have to take one viewpoint. I agree with Einstein's statement, "A complete field theory knows only fields and not the concepts of particle and motion. For these must not exist independently of the field but are to be treated as part of it. On the basis of the description of a particle without singularity one has the possibility of a logically more satisfactory treatment of the combined problem: The problem of the field and that of motion coincide." Einstein and Rosen in *Physical Review 48, 1935* p. 76

Since this is the viewpoint I take in my research, and I find it hard to be inconsistent; I will take this viewpoint here. My model of matter as the curvature of a complex-spacetime fulfills Einstein's requirements for a "complete field theory". My theory provides a framework for the energies discussed above. So I look upon my unified field theory as being a geometric model of the world's soul, or a Theometry.

Now we turn to the side of religion. There are over 8,000 religions in the world. There have been over 2,500 denominations of Christianity alone. They clearly do not represent a united philosophy. It would seem to be an impossible task to examine them all from a scientific viewpoint. Religions pretend that they offer knowledge about God and God's will for mankind. But for the most part, they disagree with each other. There is no religious consensus about the nature of God, the will of God, the after-life (or even if one exists). Consequently, I have to conclude that the product the religions offer is a fraud. They don't have knowledge about God; they are passing on rumors about God! Actually, many of them slander God! We are left in a hopeless quandary.

Perhaps there is an alternative. What if we were to bypass religion? At least for now, let us follow science to its logical conclusion. Why would we want to do this? Religion is man's attempt to approach God. There are so many religions, so many contradictory dogmas, so many contradictory creeds, and so many contradictory religious writings that any attempt to discern which elements of which religion could survive a synthesis is impossible. If we can bypass the debate with the individual religions we would be able to accomplish something in this life.

At this juncture, I am reminded of the words of Thomas Paine. "But some, perhaps, will say: Are we to have no word of God---no revelation? I answer, Yes, there is a word of God; there is a revelation. The word of God is the creation we behold; and it is in this word, which no human invention can counterfeit or alter, that God speaketh universally to man." The Age of Reason P. 38 And later Paine points out that, "The mere man of pleasure is miserable in old age, and the mere drudge in business is but little better; whereas, natural philosophy, mathematical and mechanical science, are a continual source of pleasure, and in spite of the gloomy dogmas of priests and of superstition, the study of these things is the true theology; it teaches man to know and to admire the Creator, for the principles of science are in the creation and are unchangeable and of divine origin." The Age of Reason P. 158

"We can know God only through his works." Tom Paine says. "We cannot have a conception of any one attribute but by following some principle that leads to it. We have only a confused idea of his power, if we have not the means of comprehending something of its immensity. We can have no idea of his wisdom, but by knowing the order and manner in which it acts. The principles of science lead to this knowledge; for the Creator of man is the Creator of science; and it is through that medium that man can see God, as it were, face to face." *The Age of Reason* P. 251

In *Education in The New Age* Alice Bailey echoes this view. "God can be known by His works, and these works can be more easily appreciated through the revelations of science than by the hymns, prayers and sermons of the churches throughout the world." *Education in The New Age* P. 55

From my view point as a theorist of the Unified Field, there is nothing in the universe except manifestations of the unified field. Everything that exists is made of the unified field. Since plants and animals are part of the world, they are part of the unified field. Since part of the unified field is alive, so is the whole. Since you and I are in the world, we are also manifestations of the Unified Field. Since we are intelligent (at least we believe we are) then the Unified field is intelligent. Since you are a manifestation of the unified field, the unified field knows everything you know. The Unified Field knows everything I know. The Unified Field provides a link between us all. We are all interconnected in a very intimate way via the unified field. The unified field then is omnipresent, there is nowhere the unified field is not. The Unified Field is alive, the unified field is intelligent and like a network of computers, the unified field is greater than the sum of its parts.

This description of the unified field sounds very much like other people's description of God. So much so, that we shall take it as our guiding principle.

GOD IS THE UNIFIED FIELD.

Clearly, the unified field exists; it is just the total field of the universe. Therefore, there is no need to debate the existence of God. In this scientific approach to God, atheism is impossible and agnosticism irrelevant. Anyone who doesn't know hasn't taken the time to look.

Margaret Wertheim in Pythagoras' Trousers; God, Physics and the Gender Wars discussed the modern obsession with a unified field theory. "...in the last few decades the physics community has become almost fanatically obsessed with a goal that I suggest offers very few benefits for our society. That is the dream of finding a unified theory of the particles and forces of nature---a set of mathematical equations that would encompass not only matter and force, but space and time as well. In such a synthesis, everything that is would supposedly be revealed as a complex vibration in a universal force field...Such a theory is really a quasi-religious rather than a scientific goal."

Let me make this perfectly clear, the quest for a unified field theory is not a "quasi-religious" goal, it is a full fledged religious goal, it is a quest for a scientific theory of God.

While Wertheim suggests that a unified field theory "offers very few benefits for our society", I would suggest that the discovery of such a theory is essential to the well being of our society. For a society is very much determined by its views of God and a recognition that God is the unified field would do much to heal the damage done by the mechanistic world view at one extreme and Fundamentalism at the other.

Recognition of the unity of all creation and the inherent oneness of us all would certainly change the way we interact with each other and with the environment. As Virginia Stem Owens put it, "Whether a culture has committed itself to a world that emphasizes isolation, variety, and disjunction or to one that stresses unity, consonance, and correlation shows up not only in its science but also in its politics, economics, art, and spiritual enterprises." *And The Trees Clap Their Hands: Faith Perception and the New Physics* P. vi

Now if God is the unified field and all existence is a manifestation of the unified field, then the sciences have been studying God all along. Melinda Ribner correctly summarized the quest. "Modern physics is looking for a unified field theory that will explain all phenomena. Physicists sense that there is a unifying energy beyond the level of subatomic particles that holds everything together. It appears that modern physicists are looking for God, although they might not state it that way." *New Age Judaism*

In *The Way Into Jewish Mystical Tradition*, Rabbi Lawrence Kushner writes, "Reality is layered, concealing myriad interrelationships and meanings. The Kabbalists went so far as to try symbolically to diagram reality, or as it were, the divine psyche itself. They envisioned a sefirotic tree (a diagram with ten circles). We today are more comfortable with the double helix of DNA or the unified field theory of modern physics, but they're all fundamentally the same: one awesomely integrated organism."

So the mystics have recognized that God is the Unified Field and Science is then revealed to be a religion of continuous revelation via the study of nature. Thus, a scientific approach leads to God, but the purely scientific approach has reached its limit at this point.

Our contemplation of nature has revealed the God of nature; it cannot reveal the nature of God. Physically, God is the Unified Field but this knowledge reveals nothing about the personality of God. There is an intelligence guiding the evolution of nature. Science can

reveal the works of this intelligence, science cannot explain the motivation of this intelligence, nor can science reveal to us the desires of this intelligence.

In *A Treatise on White Magic*, Alice Bailey wrote, "The soul is an aspect or type of energy, distinguished from that of matter itself...as yet the energy which sweeps atoms into aggregates which we call organisms and forms has not been isolated. This the mystics in the scientific world will sense and work to demonstrate during the next generation." *A Treatise on White Magic* P. 332

This is the type of work I do and it seems to be the work others are heading towards also.

Alice Bailey in *Telepathy and the Etheric Vehicle*, and in *The Consciousness of the Atom*, implies that everything that exists is energy in one form or another, and this energy has a consciousness. "...energy is now regarded as all that IS; manifestation is the manifestation of a sea of energies, some of which are built into forms, others constitute the medium in which those forms move and have their being, and still others are in process of animating both the forms and their environing substantial media." *Telepathy and the Etheric Vehicle* **P. 177**

"We have found that the atom is a living entity, a little vibrant world, and that within its sphere of influence other little lives are to be found..." *The Consciousness of the Atom*, p.42

In *A Treatise on Cosmic Fire*, the Tibetan wrote "...Spirit...is after all but the energy, vitality or essential life of the solar, or planetary Logos. Its correspondence in man is prana. A comprehension of this will be brought about if man realizes that all the planes of our solar system are but the seven subplanes of the cosmic physical plane. It is the realization of this which will eventually unite science and religion, for what the scientist calls energy, the religious man calls God, and yet the two are one, being but the manifested purpose, in physical matter, of a great extra-systemic Identity. Nature is the appearance of the physical body of the Logos, and the laws of nature are the laws governing the natural processes of that body. The Life of God, His energy, and vitality, are found in every manifested atom His essence indwells all forms. This we call Spirit, yet He Himself is other than those forms, just as man knows himself to be other than his bodies." *A Treatise on Cosmic Fire* P.1136 And again, "All that exists, in reality, is spirit in manifestation." *Education for the New Age*, P.63

While discussing the Ten Groups of New World Servers, the Tibetan wrote, "The seventh group is that of the Scientific Servers. They will reveal the essential spirituality of all scientific work which is motivated by love of humanity and its welfare, which relates science and religion and brings to light the glory of God through the medium of His tangible world and His works. They have a most interesting function but one which will not become evident for a long time--not until the building forces of the universe are better understood. This will be co-incident with the development of etheric vision. This group will act as a channel of communication or intermediary between the energies which constitute the forces which construct the forms and fabricate the outer garment of Deity and the human spirits." Discipleship in the New Age I, P. 39

discussion of the philosophical In а underpinnings of relativity, J.R. Lucas wrote, "Space-time is not only a noun rather than an adjective, but the one and only noun referring to the one and only substance, the unique deus sive natura, which describes, accounts for and explains all phenomena...in the General Theory of Relativity we become monists, rather than pluralists, in the philosophical tradition of Spinoza rather than of Leibniz or of Newton and Locke. It is an austere, allembracing system, which views the whole universe as a unified self-subsistent substance,

a single process developing according to its own inherent principle." *A Treatise on Time and Space* Lucas stops just short of saying that General Relativity views the whole universe as God, but that is where the logic is leading.

Rabbi Lawrence Kushner also speaks of monism. "Surely the most daring, but also the most accurate, way to describe a God who is the ground of all being, the One who continuously brings all creation into being, is with a radical monism: It's all One and it's all God." *The Way Into Jewish Mystical Tradition*

Matter is an illusion. Matter is a pattern in an energy field. There is nothing but energy fields in the universe. Spirit is an energy field. Einstein showed that matter is energy and that all that exists in the universe is energy in one form or another. If the mystic is correct in saying that "All is God" and if the Physicist is correct in saying that "All is energy" doesn't it follow that God is pure energy, the total energy field of the universe? But the properties of this field transcend the materialistic, for this field is alive. We live in a sea of living energy. The total field is the sum of its parts and each of us has a field which contributes to the whole, in this sense we are each a part of God.

From another perspective, the whole is manifest in the individual. God is the energy field of the cosmos and we are each part of that energy field which happens to be focused in a physical body. In this sense we are made in the image of God. But more than that, we are all manifestations of God. We are the unified field trying to understand itself.

According to William Barrett, Michael Faraday's religion was concerned with 'God's revelation to man of the Divine purpose', and his scientific research dealt with 'man's revelation of the Divine handiwork.' Barrett went on to say, "But he considered the scientific investigator as a high priest of God, and quite as sacred and noble an office as the expounder or priest of revealed religion, --- more so indeed for he hated all sacerdotal and ritual." *Faraday Rediscovered*

A noble tradition indeed!

As an historian of science Robert S. Lopez wrote, "The truth of the matter is that most medieval thinkers accepted the limits set by God to their quest for knowledge, but within limits handled their those God-given investigative skills with growing confidence. They did not need to grope, like Einstein, for a unified theory of physics; God, they felt, provided that unity." Fear of Science---Trust in Science: "Wisdom, Science and Mechanics: The Three Tiers of Medieval Knowledge and the Forbidden Fourth"

To conclude and sum up, we can say that science broke away from religion when the religious answers to questions about nature were no longer satisfactory. With the discovery of The Unified Field Theory and the realization that this field is a living being, God, we have gone full circle from the break of science and religion. Now the supreme science, the unified field, has led us back to God.

I find immense satisfaction with this solution to an ancient question.

Thomas R. Love, PhD Capricorn, 2004

Aquarian Musings

he astrological sign for Aquarius, m, has for a very, very long time been considered to be a symbol for water. The waves symbolize those one would see on a body of water like an ocean or lake. D.K. tells us that "The sign for the Aquarian Age is that of a man, carrying on his shoulders a jar of water so full that it pours over to all and sundry, and yet it diminishes not." Christ, the forerunner of the Aquarian Age referred to himself as the "water of life', the 'living water' which men needed." And before the Christ walked among us, we have in The Labors of Hercules, the Aquarian or 11th labor, "Cleansing The Augean Stables." In this labor, as you know, Hercules causes the water of two rivers, the Alpheus and the Peneus to join and flow through the stables, thus cleansing them of the "accumulated filth." Esoteric Psychology Vol. II P. 119

The reasons for equating the symbol with water are many. The relationship between water and life is very obvious and very real. Without water we die. Equally significant, I think, was the fact that people could see water. It has a dense manifestation. Even today, it is still very difficult for most people to really get that just because they can't see something, it may still exist.

Aquarius was and is, of course, all about service. Water was the visible substance that the server shared with people. However, in Aquarius, circa 2004, it might make more sense to think of the sign for Aquarius, \mathfrak{m} , as symbolizing energy or electricity rather than water. These days, we can even see electricity. I think the sign for the Third Law of Group Life, The Law of Service in which a man with a pot of water, "...stands, perfectly balanced in the form of a cross, with arms stretched out and with the water pot upon his head" *(Esoteric Psychology Vol. II P. 120)* is a much more relative symbol for the Aquarian Disciple than the one of the guy with the pot on his shoulder sloshing water all over the place.

D.K. says that "In this difference [between these two symbols] there lies much of real significance." *Esoteric Psychology Vol. II* P. 120 We equate water with the emotions, the astral plane. And although the majority of humans are still swimming in the sea of emotion, a significant part of the family, having mastered, or at least gained a good measure of control over the waters of the emotional plane, has dragged itself up, out of the water and into the air of the mental plane.

We think of the mental plane in terms of air. Thus it becomes for the serving disciple another even more volatile sea that needs to be mastered. We also associate the mind with energy and electricity, and we bring to bear the will as a controlling power.

Detachment, Discrimination, Dispassion

Part of the significance of the symbol for the Law of Service is that the pot is perfectly balanced on the server's head rather than sloshing around on his shoulder. This indicates precision and conscious control of distribution. It indicates a head center focus, a soul, mind, brain alignment. The server, who works from the head center, is impersonal. He or she is detached, dispassionate, and discriminating, perfectly poised, balanced and in control of the energy. The sharing is deliberate, considered, aimed, directed.

We, I guess I am referring to working disciples now, we have learned a lot about the responsibilities of "water" or energy sharing, including the realization that the "living water" is really energy, electricity of one form or another. We have even learned to discriminate between various kinds of electricity or frequencies as we call them, and we have learned a lot about the dangers of indiscriminate use, about the damage that one can do by spraying this stuff around in an ignorant and uncontrolled way. We know about the conservation of energy. We know about underfeeding and overfeeding. We understand more than ever before the meaning of and the demand for harmlessness in the act of sharing.

Also, we have learned, some would say relearned, some of the techniques and skills involved in the precise work of energy distribution. As working disciples we have

become conscious of the fact that our vehicles are sensory registers that work in two directions: in toward the Soul and

Triad and out toward the dense physical, emotional and lower mental environments, the sea of energies within which we live and move and have our manifestation. We have learned that our work is to register need and then to bring to that need—whatever the need may be in whatever department of life within which we work—precisely that which will meet the need providing the life and quality for its evolutionary development.

Each of us, as an individual Hercules, is faced in this Aquarian Age with the merging of the two rivers of life that move within our equipment. We know these two streams of energy as the separative will of the personality, and the selfless will of the Soul. When through much meditation, struggle and effort we create a unity of these separated streams of energy, we are able to bridge the gap between the lower three and the triad thus giving the higher Will, the Will of the Father access to the central channel of our lives.

Although this does not happen for us in one day as it did for the Hercules of that previous Age, the merging of the rivers and the resulting inflow of the Life of the Father definitely cleans out the accumulations of old habits and other rubbish that have so long clogged the systems of service. It is important, I think, for us to understand that this process is a top down job. Our task is to make the channel available.

D.K. puts this whole process of stable cleaning in rather graphic terms:

"When the blazing light of the Monad is focused directly upon the personality, via the

"...you have what has been seen in the world today, a destructive conflagration or a world burning ground." The Rays And The Initiations P. 30 antahkarana and not specifically through the soul, it produces a blazing fire which burns up

all hindrances in a steady, sequential process. Wording it otherwise, when the will aspect streams from the Monad and focuses through the personal will (as the mind can grasp and realize it) it destroys as by fire all elements of self-will. As the energy of Shamballa streams out and makes a direct contact with humanity (omitting the transmission via the Hierarchy, which has hitherto been customary), you have what has been seen in the world today, a destructive conflagration or a world burning ground." *The Rays And The Initiations* **P. 30**

So, what is actually going on out here in this tired old world is a lot of Aquarian stable cleaning. It is obvious, or should be, that before we can have clean stables, we have to have the cleaning, and that's the part of the

action that we can see so clearly today. And, as I have been endeavoring to point out, I think we have ourselves to thank for this apparently appalling situation.

The disciples of the world—all of them, individuals and groups, the world over—have been working, seriously working with fixed intent, for over 200 years in an effort to create first a unity of personality and soul. We knew that this unity had to be in place before we could build, or re-build, however you see that, the channel that would allow the energy of Shamballa, the Will of the Father to directly reach, not just the individual disciple, but the Disciple Humanity. We called this later part of the work, "Building the Antahkarana."

We know that "unity is the reward of effort and action." I think we have succeeded in the effort of building this soul, mind, brain alignment and the bridge into the Triad way beyond our expectations. I also think that we have succeeded well beyond what the Hierarchy expected. The Path of going and coming has been constructed, or reconstructed, if you will, at least to the point where the real work can commence. The primary unity that we are now working on is the unity between the 4th and 5th kingdoms. This is what the externalization of the Hierarchy and the reappearance of the Christ are really about.

I think that our efforts and action in this direction will see the reward of this unity. Even now within the smoke and debris of the cleaning that is going forward, the outlines of a truly New World Order, an order constructed on the principles of Essential Divinity, Goodwill and Unanimity and the laws of Right Human Relations, Group Endeavor and Spiritual Approach can be seen.... If you look for them.

> Tom Carney Aquarius 2004