

# HOMO NOETICUS AND FUTURE SCIENCE

## An Interview With Dr. James J. Hurtak Of The Academy For Future Science

by Michael Miley



**D**r. James J. Hurtak, founder and president of the Academy For Future Science, is a versatile visionary who wears many hats. A holder of two Ph.D.s (from the Universities of California and Minnesota) with broad scientific interests in archaeology, ecology, remote sensing technology and alternative energies, he is also a consultant to the Institute for New Energy (INE).

Dr. Hurtak is a spiritual practitioner of the perennial traditions, with influences that include prophetic Judaism, the Enochian testaments, and direct experience in the Kabbalah, as well as mystical Christianity and Buddhism. Author of *The Book of Knowledge: The Keys of Enoch*, a visionary futurist text borne of a mystical experience he had in 1973, which focuses on the emerging unity of science and spirituality and the higher evolution of humankind, he's been a frequent speaker at both scientific and religious conferences.

Dr. Hurtak recently spoke before the State of the World Forum in San Francisco on "Y2K Countermeasures," at the University of Pretoria and the Technical University of South Africa on "Archaeology, Geology and Remote Sensing," and was a speaker before several sessions of the World Parliament of Religions in Cape Town, South Africa, on the theme of the "Meeting of Heaven and Earth: Symbols of Unity." As if these accomplishments weren't enough, Dr. Hurtak is also



*The Keys  
of Enoch*

involved with lasers and image enhancement technology, having released the first pictures and documents of claimed pyramidal landforms on the Martian surface in 1973 to a world audience. He's also been a field investigator of the UFO phenomenon for over 25 years, in countries as far flung as

Brazil, South Africa, Japan and Mexico. Finally, in the field of multimedia, he has won three international film awards for his computer-animated film, *Merkabah: Voyage of a Star Seed*, which he created with the help of digital artist Jean-Luc Bazzoli.

Thus, it was with some assur-

**HURTAK'S TAKE**—Through studying ancient religious texts and human evolutionary consciousness, J.J. Hurtak melded his visionary ideas into "The Keys of Enoch," a metaphorical journey into the unification of mind, matter and spirit that he believes will exemplify humanity of the future.

ance that Dr. Hurtak could provide a unique perspective on the spiritual implications of the UFO phenomenon that I approached him at the New Science and Ancient Wisdom Conference in November of 1998, and later interviewed him at the February 1999 UFO Congress in Laughlin, Nevada, as well as over dinner last June in San Francisco. Rather than focus on his ufological research, however (which would have been the usual thing to do for *UFO Magazine*), I was more interested in his spiritual perspective per se, and how it's reflected in *The Keys of Enoch*.

Among other things, I wanted to know what he thought about the hypothesis that the beings called angels in the ancient Judaic and Greek Enochian texts, who came down from Heaven and mated with human females (and also brought the implements of vanity and war), were actually extraterrestrials, misconstrued by ancient peoples who had no other point of reference. Was there some strange connection to the hybrid breeding experiment of today? I also wanted to know more about the nature of the visionary experience he'd had which inspired him to write *The*

*Keys of Enoch*. Since he'd been "taken up to heaven" by an unusual being in a "vehicle" sometimes known as the Chariot of God (i.e., the Merkabah), how did this experience compare to the accounts we've all heard of people being abducted by strange alien beings, the apparent pilots of UFOs?

Along the way, Dr. Hurtak and I discussed his work in ecology and free energy technology, as well as zero point energy (ZPE) and its possible implications for future interplanetary spacecraft and ET-human collaboration. —M.M.

# PART ONE:

## Spirituality and the Higher Evolution

**UFO:** Dr. Hurtak, I take *The Book of Knowledge: The Keys of Enoch* to be a kind of angelic revelation of the higher spiritual and scientific evolution of humankind. Is this an accurate description?

X **JJH:** I would like to stay away from the buzz-word "revelation." *The Keys of Enoch* (www.keys-of-enoah.org) is actually not a classical revelation but a document or blueprint of futuristic scenarios, specific ongoing visions and discoveries rather than a singular "revelation" pinned to a singular timeframe. In fact, the word "revelation" is not used at all on the title page. The subtitle is "The Bio-computer Keys to our Consciousness Time Zone." And that's important because what we're seeing here in this special type of literature is a teaching of inner and outer scenario abstracts of how science, particularly astrobiology, is going to revolutionize the 21st century.

As discoveries accelerate, the consciousness evolution of inner development (right-brain-orientations of spiritual insight) and a larger external scientific evolution (left-brain-orientated mankind) will ultimately converge. The book is an inspired information stream operating as a union of scientific and spiritual insights that were not present in the scientific and religious literature of that time. *The Book of Knowledge* is more of a forecasting of things that will come; a series of futuristic scenarios that must be interpreted within the context of 64 unique areas of information, which bridge everything from archaeology and geology all the way to space

physics and cosmology.

**UFO:** So it performs a prophetic function?

**JJH:** In a limited "inductive" sense. For a person who is able to carefully read and measure the metaphors, the text presents something that is truly unifying. It brings forth a whole new way of looking at three major areas of development: 1) a new physics of life that can be called a post-quantum physics; 2) an evolving genetics (not only in the mapping of the human genome but in realizing the human race is connected with a parallel evolution); and 3) a profound "consciousness cosmology" that interfaces with higher categories of intelligence—an intelligent presence operating in the midst of the human race, which I call variously metaterrestrials, light beings, and ultraterrestrials. This presence is indirectly working with us towards some type of unification, where a whole new chapter of life for the human race will emerge.

**MM:** So the *Keys* also describe what you might call the spiritual technologies or the spiritual process by which this unification is going to take place?

**JJH:** Right. Insights into the unified nature of body, mind, and spirit that will open up methods of global communication so that they serve all segments of society equitably. The book comes from a series of scenario abstracts that I received during the two-day period of January 2nd and 3rd in 1973, when I entered a higher consciousness state. I'd like to emphasize, though, right at the beginning, that this was a non-channeled experience. It

came about through a direct experience initiated by my study of sacred scripture, where I was taken both physically and consciously into the higher dimensions.

I'd also like to distinguish it from alien abduction. It was nothing of the sort. I would describe it more as a Kabbalistic type of higher consciousness experience. If I was going to use terms, the experience involved a whole light being and the Merkabah, the parapsychical vehicle of ascension, as opposed to some external vehicle, a UFO or space technology. The experience took place on several levels and was followed by other experiences (light surrounding my body) that were witnessed by students in this country and other countries.

**MM:** So what were your circumstances in life back in January of 1973 or the conditions of your mind and spirit that brought about the experience?

**JJH:** It was many years of prayer and meditation. I was teaching at the California Institute of the Arts sponsored by the Disney Corporation, as well as lecturing at Sonoma State University in California. I had been looking behind the metaphors of Eastern and Western consciousness and seeking some basic answers to questions on the nature of life; i.e., Where do we come from? Where are going? Questions that address in long-range terms the most critical problems facing the human community and the Earth. I sought to understand how the Divine Being worked as an overall Self-organizing presence for the energy dynamics of life.

I had been using different forms of prayer and meditation, coupling certain words and techniques from

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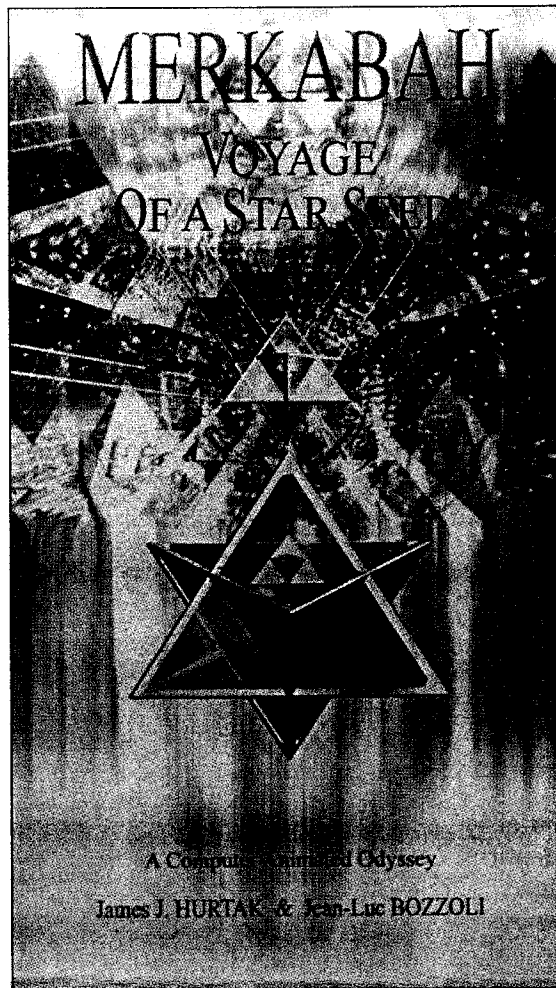
the Hebrew and Aramaic terminology with that of the Sanskrit and Far Eastern traditions. The use of mantric forms of energy opened a morphogenetic door for me, where an angelic or “whole light being” appeared. Taken into a “time translation,” for two days I was in the presence of whole light beings, as well as other instructors, who called themselves Enoch and Metatron. I was shown that our scientific disciplines, which are engaged in observation, experiment, analysis, and discovery, have a spiritual dimension. For example, Metatron told me he was the “inventor” of the electron. These beings shared some of their multidimensional knowledge with me, which I have set forth in *The Keys of Enoch*.

MM: That’s quite fascinating—and it brings me to my next question. There seems to be an ambiguity flowing from the Enochian and biblical traditions, with their stories of Ezekiel and Elijah being taken bodily by the Chariot of God into heaven, some kind of UFO, as it were, and the translation of that into the Kabbalistic tradition, where the Merkabah is a light vehicle that some people experience internally in a kind of rapture or ecstasy. You go out of the body, enter the Merkabah, and are taken up into higher dimensions.

JJH: The true Merkabah brings with it a transformation, which is why it is more than a UFO. It

requires participatory thinking. Not only does it involve both physical and non-physical dimensions, which converge, it brings a higher consciousness awareness, an awakening process. This awakening process is more than what is usually present in normative Judaism/Christianity, but is more representative of mystical traditions or the metaphysics of the Kabbalah (which also accepts primary and secondary wisdom literature sources), which gives an instruction regarding the higher dimensions of Light. This involves unique operating principles, metaphors, and developmental/therapeutic practices that are not meant for a person to merely entertain, but to penetrate, experience, and apply after years of preparation.

In the Kabbalistic tradition of the chariot throne, there are several levels of possibility involved in the inner awakening through the interdimensional vehicle or Merkabah, which occurs when you are in the presence of a divine messenger or a divine geometric manifestation. It is possible to pass through the geometry, which represents a type of



JJH: All my bodies were touched by the light: the spiritual, the mental, the astral, the emotional, and the physical. I have illustrated this in the new video documentary called "Merkabah: Voyage of a Star Seed." This film is an experience of "immersion"—a new type of film where the mind-body goes behind the symbols of religion and understands inspiration, which knows no boundaries. The film shows how the many body vehicles are interpenetrating, using symbols from all traditions, since all religious philosophies have some basis in the experience of higher states of consciousness and reality.

So, the true Merkabah experience is not an experience of a UFO, where you get into a physical space technology and fly away to the stars. It's a spiritual, higher-dimensional experience connected with a "light body," through which there is the experience of the eternal and the universal, which is ever-present. The Merkabah film reveals to the viewer a

***"The true Merkabah brings with it transformation, which is why it is more than a UFO. It is inseparable from the divine."***

energy vortex, and to travel from our social environment into planes of spiritual reality—literally and in some instances directly into other worlds where various light beings reside, kabbalistically called "the worlds of formation," or "the worlds of creation."

I had the privilege of receiving this "divine grace," and I say it was a privilege to have this experience because I found out that this is something that cannot be learned out of books, but from faith in a living Godhead. This Godhead doesn't "hide," but can be experienced to enlarge our understanding of the

physical and spiritual worlds. In short, by using certain sound vibrations, and meditating on the Names of God, one can create a kind of inductive linkage or resonance, which may lead to a higher experience of instruction.

MM: So in this case, you saw the Merkabah as a being coming down, surrounding you with light, and that light had a certain kind of structure or architecture, which surrounded your astral body and then it took you where it needed to take you. Kind of like a geometric viewing theater.

myriad of sacred geometric forms through which transformative experiences are encountered but which are not dependent on one set pattern, religion, or methodology.

This is why the Merkabah experience is so profound and why it defies superficial courses and training sessions that are not connected with a dedication to the Living God—for the true Merkabah is inseparable from the Divine. The Merkabah is given as a gift to help humanity. It shows that the world's religious and spiritual traditions can be seen as profoundly complementing one another as humanity evolves

into the 21st century.

**MM:** Was the language of Enoch and Metatron kind of a hyperdimensional gestalt?

**JJH:** I find it difficult to speak of the language experience as normative language and form. It is written in a logo-symbolic code, which operates in both pictographs and alphabet. And for this reason the keys themselves have fire letters, showing that they represent not only letters, but a transformative aspect of language, a kind of higher physics experience. Things happened so rapidly in the experience of superluminal light. Geometries became glowing flame letters that were more discernible with each waking moment of reflection and prayer, resulting in a conversion of the heart. They became literally imprinted in my consciousness. And each set of letters opened a scenario abstract, with multiple levels of information.

The information rush was so overwhelming that I couldn't really put it down in linear language, so I had to put it down in symbolic shorthand. Even today, the only way the experience can be adequately presented is to do a film of each of the Keys, allowing the person to be immersed in the archetypal experience. Language is simply inadequate unless it operates as universal language.

For this reason, *The Keys of Enoch* brings together the scientific and spiritual metaphors both of the East and West, since no one tradition, either of the East or the West, can fully describe what I saw. The challenge here is to break structure and to see the mind as a

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**COSMIC FLIGHT**—*Symbols and metaphors are used in "The Keys of Enoch" to communicate the power and potential inherent in the archetypal Merkabah experience.*

planetary mind, a planetary experience. I guess you could say that *The Keys of Enoch* are a necessary violation of structure, reflecting the cybernetics of living matter and living Spirit together. The flame

letters and each of the special geometries represent not only a unique geometric form, an aspect of logic; they can also represent a whole level of experience. And thus, the book is not to be

compressed into one type of language structure, but operates as sacred geometry.

MM: I notice there's a hierarchy of beings mentioned in *The Keys of Enoch*. Why the different angelic categories in the book?

JJH: Because there is a very strong rivalry between life forms in space, some being very angelic in the true sense of spiritual and inspirational, and some being horribly grotesque and poised to eliminate whole groups of people. In my experience, I saw that there are more different types of life out there in space and in the various cosmic dimensions than the number of different life forms on earth. There are not a few angelic orders, but there are myriads. There are more than just a few malevolent life forms, but there are still more positive than negative.

MM: If that's true, then let me play devil's advocate for just a moment. You describe one of the beings that you encounter in your journey as Metatron, who, in my readings, is apparently a central angel in the Jewish apocalyptic tradition. Moreover, you also say that you saw other angelic beings near the throne of God and the Ancient of Days, as is also described in the Ethiopic Book of Enoch. However, some angels in that ancient text are specifically fallen angels, some two hundred of them, led by Semyaza, who descend to earth to mate with human females, transgressing a spiritual and physical boundary, and deceive humankind. This could lead one to believe that some of the ETs mentioned in alien abduction literature are in fact fallen angels who can't be trusted. What's going on here? For starters, for people who are not versed in this tradition, what is an angel? Who is Metatron?

JJH: Metatron is the angel closest to YHWH, the Living God who is



above and beyond our immediate universe. Metatron is also above the other angelic categories, but the categories are more of responsibility and not superiority. This distinction is very difficult for humanity to understand because when we see hierarchical orders we also look at the competitive side. It is not like that in the higher realms, only in the lesser realms of duality.

Metatron has been called an angel, but the term "angel" in the Western tradition has come to indicate the stylized cherub in the ceiling of Christian mosaics and has really lost its original significance. In the Greek and the Latin, it's a messenger from a higher world or a certain higher-dimensional level of teaching. In many ways in my work I demythologize the word angel, preferring the term "whole light being," and simply use it as another way of representing a messenger or a teacher who comes from another sector or dimension intersecting the many universes (physical and non-physical) some would call the multiverse.

MM: But again, how reliable is angelic knowledge, if some angels are capable of deceiving, or if some extraterrestrials are posing as angels, or vice versa?

How, ultimately, can we judge the truth or falsity of *The Keys of Enoch*?

JJH: That's an excellent question. Ultimately, it is in the context of history that the crucial appraisal is made for any statements, particularly teaching in coded language and meta-myth. Therefore *The Keys of Enoch* must stand the test of time and fortunately, it has done very well to date. I prefer to play down my claims to a special "experience." That should become secondary to the historical appraisal of the information over time. In the last analysis, complex information forms such as the Keys prove or disprove themselves by providing specific guidelines for the vexing questions of life, regardless of their absolute and relative truth in each age.

MM: What about the historic books of Enoch and their tale of the fallen angels?

JJH: The various Greek, Ethiopic, Slavonic, and Judaic writings are a synthesis of much earlier writings. More specifically, in the history of Near-Eastern religion it is clear that there were linguistic borrowings between various religious and national groups.

The historic Ethiopic Book of Enoch that was recovered by the scholar James Bruce is unique in that it makes a distinction

between the angels that are before the throne of God and those that have gone their own way by experimenting and creating lesser worlds, bringing in the statecraft and the military tools of deception to corrupt the worlds or to neutralize worlds that are operating under the divine law and guidance of the angels of the Most High. The ancient Book of Enoch, though rejected in the canon of the Western church, still inspires many of the Ethiopic and Coptic churches and was recognized as genuine by some of the important Church fathers (i.e., Origen) in showing an historical context and genre for some biblical thinkers, even in pre-Christian times, who recognized that contact was possible with a certain order of angelic intelligence who could violate the physical structure and assume, if necessary . . .

**MM: . . . physical form.**

**JJH:** Right: assume the physical form necessary to violate human experience. This is why we need a new biological textbook that has a section on spiritual anthropology, which I'm working on. Because if you look very carefully behind the veneer of the Ethiopic, as well as the Slavonic and Greek versions of the Enoch literature (which is only one small sample of even a greater literature still existing in the wisdom writings of the Eastern traditions), you will see that materialism is the illusion the human race clings to. And in the deeper reading of the ancient texts, in terms of this contemporary experience of genetic experimentation, genetic hybrid production, physical abductions, etc., we have the sudden realization that the biological experiment of humanity is only a subset of something that is greater in scope and more meta-scientific than physical scientific. This will help us rethink even the

*POST-CONVERSION—Personal experience of "superluminal light" has filtered into Dr. Hurtak's day-to-day work as a social scientist, with special interest in the areas of ecology, free energy and quantum theory.*

norms of theology in the West that have basically put a spatial, ontological separation between the higher realms of the Elohim, or the elevated levels of intelligence, and the intermediate realms, which Kabbalistically in the Judaic, as well as the Christian sense, comprise the "B'nai Elohim," the sons of the Divine offspring, who are also capable of "dimensional" and "consciousness layer" translation.

**MM:** In other words, there is a hierarchy of spiritual intelligences, just as there are many varieties of ETs. And some of these spiritual intelligences are capable of crossing the supposed boundary between spirit and matter.

**JJH:** Correct. But getting back to your central epistemological question about the Keys: should one simply accept the testimony of one who



claims physical ET or spiritual contact as true and accurate—or for that matter, my own experience? Of course not. The criteria for judging must encompass the core information, not the bells and whistles of the external appearance. But how do you decide whether something represents an authentic experience of “angelic knowledge”?

The criteria I suggest to discriminate among these options are the following. First, information from an alleged angelic source must truly be

ogy) by the way the human race is interacted with. Humankind should not be subjected to various experiments without its free will and full awareness of the consequences. And even if a species is not involved in poaching or genetic experiments, the messenger has to show compassion and love for all humanity in the message and not just an elitism for the few, which lets them raise the flag of some new type of religious cult or movement.

Third, without a global forum of

ways, and this is what we are witnessing at this time.

**MM:** That's a very healthy response. So you're not looking for true believers in the content of the *Keys of Enoch*, a kind of new-age religion.

**JJH:** Let me state categorically that we—the educators and scientists at AFPS—are not interested in creating a new religion with *The Keys of Enoch*. That would create a new trap of priestcraft. We're interested in having people find their own experience of the Divine through a greater comprehension. And through this, people can come together to share an overall vision that humanity is one and that science and spirituality are also one in higher unity; if not in the present tense, certainly in the future tense.

In the end, the I and the Thou will be One Human Race. And our counterparts in space, if we can use the term, our cosmic “cousins,” some of whom have a greater abundance of divine knowledge, will share this quickening experience with us. All along, we've found *The Keys of Enoch* to be a great challenge to us on one hand, to be a recipient of a blueprint of the future, and secondly, to cautiously explain, measure and weigh it. We encourage the same discernment from any of its other readers, whomever they may be.

More importantly, *The Keys of Enoch* are not an apocalyptic document, although it is a document that predicts that we're going into a new beginning. The end is only as we see it in our own experience. So it's not a millennialistic document. It's almost the opposite. We're saying that we're all free experiential beings. And it's the acquisition of our Higher Self and the spark of the Divine, as well as the energy field which brings forth the knowledge of the true science of Life, that together will enable us all to make the quantum shift. ●

*Part Two of Miley's interview with Dr. Hurtak will be published in the July/August issue of UFO Magazine, Vol. 15, No. 7.*

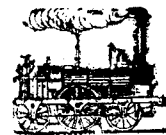
***“Without a global forum of scientists and spiritual philosophers to decide the validity of the ‘revealed’ knowledge for all people, contactee events should not be entertained as representing higher knowledge. . . As a social scientist, I believe that receiving knowledge is not sufficient. You have to test that knowledge. So we've been testing the blueprint of the Keys, to see what is objective in it, as opposed to a merely subjective ontology.”***

in the tradition of the prophets committed to a common global ethic and affirmation of the Godhead. From my experience God did not become obsolete when man advanced into space. Second, there are many levels, many evolutions, and many heavens, that share a basic law or template of creation. One should not engage in activity with those who tamper with or violate human rights or free-will and privileges in the experimental worlds. Also, it's foolish for men and women to bow down to extraterrestrials as gods, since they themselves are also evolving. These criteria allow us to discern the beneficial and the beneficent ones in contrast to the “negative” aliens or the “negative” gods or archons (to use the Gnostic terminol-

scientists and spiritual philosophers to decide the validity of the “revealed” knowledge for all people, contactee events should not be entertained as representing higher knowledge. It is easy to get trapped in phenomena. New knowledge has to be critically examined from many viewpoints. As a social scientist, I believe that receiving knowledge is not sufficient. You have to test that knowledge. So we've been testing the blueprint of the Keys, to see what is objective in it, as opposed to a merely subjective ontology. Because if this is true knowledge, knowledge that has the best of intentions for the human race at heart, then the futuristic side of that knowledge will see itself expressed in cross-cultural, cross-disciplinary

# Homo Noeticus and Future Science

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## Part Two: Science, Ecology, and Alternative Energy

By Michael Miley

*In "Spirituality and the Higher Evolution," which was Part One (Vol. 15, No. 4, March 2000) of our interview with Dr. James J. Hurtak, president of the Academy For Future Science, UFO Magazine focused on Dr. Hurtak's unusual 1973 experience of the "merkabah" of the mystical kabbalistic tradition, which induced him to write **The Book of Knowledge: The Keys of Enoch**, a visionary text of the "higher evolution." One question we were interested in was very pertinent to our readers: what was the evolutionary meaning of his experience and what light might it shed on the UFO and extraterrestrial phenomenon?*

*Now, in Part Two, "Science, Ecology, and Alternative Energy," we turn to Dr. Hurtak's scientific work, with the particular goal of exploring his research in zero-point energy (ZPE), to see what it might suggest about future human and current alien space technology.*

*Readers who have read Dr. Harold E. Puthoff's paper, "Can the Vacuum be Engineered for Spaceflight Applications?" (Institute for Advanced Studies at Austin, Texas) will find Dr. Hurtak's responses to be much in line with some of the far-ranging free-energy research that's being done today. As Dr. Puthoff suggests in the paper above, "ZPE topics of interest for spaceflight applications range from fundamental issues (where does inertia come from, can it be controlled?), through laboratory attempts to extract useful energy from vacuum fluctuations (can the ZPE be 'mined' for practical use?), to scientifically-grounded extrapolations concerning 'engineering the vacuum' (is 'warpdrive' space propulsion a scientific possibility?)." Thus, while inventors around the world struggle hard to create devices for practical use that put out more energy than they take in (so-called "over-unity devices"), top scientists continue their laboratory experiments to explore the different ways ZPE might itself be tapped, with implications for space flight as well. Dr. Hurtak's role in this field is to act as a scholarly synthesizer, consultant, and intermediary between inventors, scientists, and financial sponsors who work to further free-energy research.*

*Those who are curious should also note below Dr. Hurtak's oblique reference to **The Keys of Enoch**. What he's suggesting is that he was given visionary information on ZPE as far back as 1973, as part of the scientific content of his "merkabah" experience. The text in question is Key 3-0-2, paragraph 13, which can be found on page 354 of the Keys. There we read: "The matter-muon combination is also used to control universal zero-point vibrations which accounts for the pattern of the molecular force. This universal zero-point (where the cones come together) is a point of original attachment to other universal systems through which creation takes place. Secondary systems of physical creation must acknowledge the universal zero-point as the origin of galactic matter in the same way a child acknowledges the cord of his mother's womb out of which he is extended."*

*For additional AFFS discussions of zero-point energy and related topics, readers should go to [www.padrak.com](http://www.padrak.com) on the Web.*

—Michael Miley

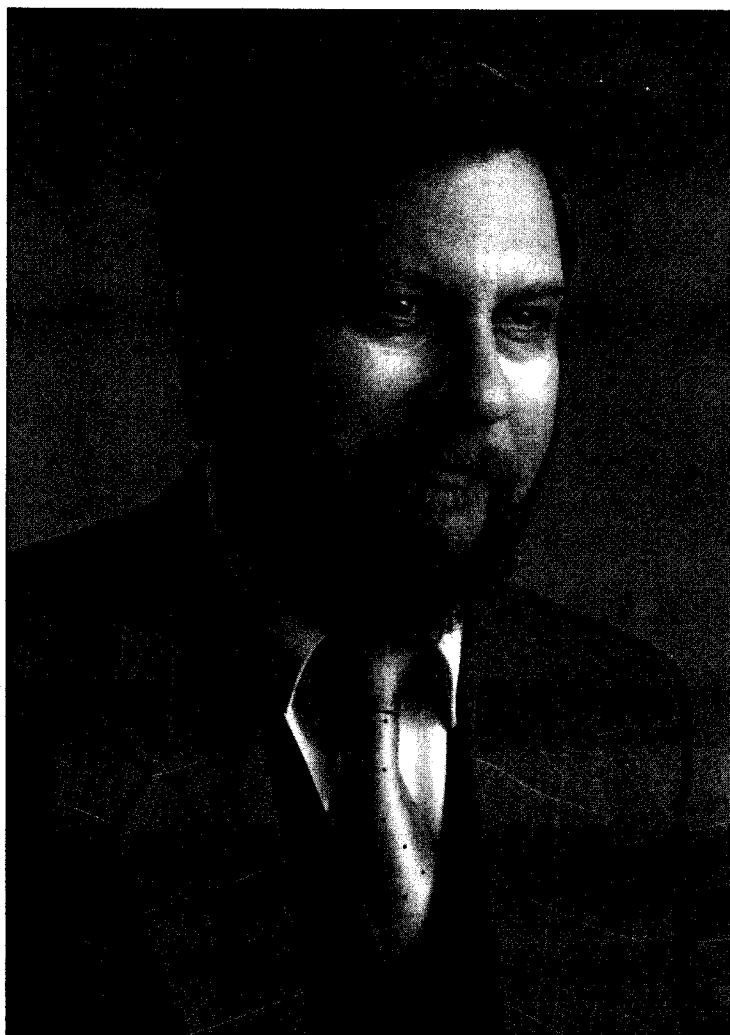
*MM: What's the particular scientific focus of The Academy for Future Science, and how does it connect with your spiritual approach?*

**JJH:** For starters, we work as researchers in a wide variety of disciplines, from water purification to the monitoring of deforestation, to the work of being engineering consultants, to serve as educators and facilitators in the Third World. I've been trained in the areas of geology, environmental science and high technology and have worked in a consulting capacity for several organizations, one of which is connected with the University of Brazil in Campinas, called LaserTech.

Through my associations with colleagues at LaserTech, I've had the opportunity to partake in field investigations in Brazil and in other countries. For example, in some of our recent work in environmental studies in Brazil, we used remote-sensing technology to look at deforestation, which is tragically destroying not only the rich forest but also the indigenous peoples. And I've recently returned from South America where I've been working in the Western Amazon area of Acre, towards turning the whole area into an environmental greenhouse. With universities and governmental leadership we are thus seeking to establish common goals and enliven liaisons between science, culture and religion, and to eliminate cultural caricatures and stereotypes that devalue the experience of human beings and demean their essential dignity.

*MM: When you're saying remote sensing, you're not talking about remote viewing, are you?*

**JJH:** No. Remote sensing is an application of airborne and spaceborne technology. It's the use of radar and laser platforms mounted on an airplane or spacecraft that give engineers or investigators pinpoint or "spot" accuracy to land and ocean targets that are normally not accessible to ground teams.



*Dr. James  
J. Hurtak*

Remote viewing, on the other hand, makes use of parapsychical viewing without technology, using methodologies of building and projecting visual grids and patterns with respect to a target.

Remote sensing has been used extensively to analyze and preserve the environment for native peoples, who are not only the holders of ancient knowledge and the history of South America, but who literally live as care keepers on sacred ground that has many wonderful ingredients for future pharmaceuticals and medical products. In addition, radar has revolutionized the search for archeological sites in remote areas. I had the opportunity as a remote-sensing specialist to team up with our counterparts at several universities.

So that's one hat I wear, in the field of putting practical scientific ideas to work, where the Divine

Mother and Mother Earth merge. In our view at The Academy For Future Science, you cannot separate the experience of life from scientific responsibility, and you can't take the scientific away from the spiritual, any more than the spiritual from the scientific. There are no final symmetry breaks.

*MM: What are some of the other scientific areas you're working in?*

**JJH:** In practical ways, we work both in environmental science and alternative energies. In the area of environmental science, we've been able to demonstrate systems of hyper-oxygenation, to restore water and streams that have been polluted. We've done experiments in human and animal waste environments, places where toxins had accumulated to such high levels that the fish died. We were able to

OPTIONS—With Russian engineers, Hurtak examined hydrogen energy as a fuel source for trucks and aircraft in the early 1990s.

go in as chemists who are also futurists and introduce new elements as a countermeasure to polluted water and clean out this whole area of human waste.

**MM:** *That's immensely encouraging and hopeful. How about your research in the areas of alternative energies?*

**JJH:** In the energy field, we've been working with concepts of zero-point energy, or ZPE. It's mentioned specifically in the *Keys* in several places from my experience in 1973. I take great joy in seeing the current research by serious investigators like Hal Puthoff. I received some of the specific terminology of zero-point energy back in 1973 and it's exciting that it has now come into ascendancy. Specifically, ZPE is mentioned in *The Book of Knowledge: The Keys of Enoch* (in 1973!), Key 302 verse 16, as follows: "Secondary systems of physical creation must acknowledge the universal zero-point as the origin of galactic matter in the same way a child acknowledges the cord of his mother's womb out of which he is extended." The ZPE alternative derives from the fact that quantum theory as we define it in classical sci-

ence predicts (and experiments verify) that so-called empty space is not truly empty, but really full of life, and that there's an enormous background of energy that we can draw upon. Puthoff uses the example of a cup of coffee containing enough ZPE to run the entire universe. And just as scientists are now beginning to draw upon this background energy, this background residual electromagnetic energy, which they call the "tapping of the quantum zero-point energy," so we also as humans can analogously draw upon the background energy of the spiritual mind and develop as *homo noeticus*.

**MM:** *The analogy is attractive, since we're ultimately talking about forms of light, but we're actually operating here at opposite poles of reality, "physics and pneuma," though they're ultimately unified in non-dual spiritual experience. But I like the analogy. It means, if you have a "Christ" experience, you experience internally the unity of all things. Or in the Buddhist terminology, you see the Clear Light of the Void as a kind of "background" to the mind. You're seeing the primal emanation*

*tion, but you're seeing it internally. And now we want to tap its corollary in the physical world, the energetic background of matter, through free energy devices that tap into ZPE. Both aspects are liberating. So, how does zero-point energy factor into specific devices or processes?*

**JJH:** Well, for example, there were certain directives given to the U.S. Air Force to test certain situations where zero-point energy could be extracted and identified as a new source for propulsion in space. Although many skeptics believe we'll be a thousand years into the future before we can come up with something as tangible as ZPE propulsion systems, we believe we're much closer than we think. And I can go on to explain this in terms of what is called the Casimir Pinch Effect, which is an attractive quantum force between closely-spaced metal plates, named for its discoverer, H.G.B. Casimir of Philips Laboratories in the Netherlands. The Casimir force derives from partial shielding of the interior region of the plates (from the background zero-point fluctuations of the vacuum electromagnetic field.) As Milonni and his colleagues have shown, this

shielding results in the plates being pushed together by the unbalanced ZPE radiation pressures. The result is a conversion of vacuum energy to some other form of energy, such as heat. Moreover, some researchers are coming up with new patents for this "plate collapse effect."

We are also very close, in my opinion, to coming up with some modifications of certain forms of levitation craft that will use an essential ZPE concept. I'm speaking now in terms of AF86-77 (this is the terminology of the Air Force directive), calling scientists to really look beyond the conventional boundaries of physics and look at the possibility that the zero point can be tapped for propulsion. I'm also calling to mind Moray King, who wrote a small book on this some years ago, called *Tapping the Zero Point*. He's a resident engineer in Utah. Tom Bearden has also explored this in some of his papers, as has Hal Puthoff. At The Academy For Future Science in Silicon Valley, we've looked at some of the theory, of course, and also other energy devices, and we're working towards the support of several different devices. One of which I will mention is by an inventor named Scott McKie, who has several patents on his power-generating device.

*MM: Perhaps you could expand a bit on the theories surrounding ZPE?*

*JJH:* There are at least four different possibilities of tapping the zero-point field. One is provided by the Casimir Effect, which I noted above, via an experimental format devised at Hal Puthoff's Institute for Advanced Studies in Austin, Texas, where non-neutral plasmas provide the plasma equivalent of Robert Forward's electromechanical charged-plate collapse. Another is the phenomenon of what is called subtle luminescence or bubble collapse in an ultrasonic driven fluid, which is accompanied by an intense sub-nanosecond light radiation. I have paper documentation on this, showing models that have been constructed on supercomputers. Another possibility for ZPE

extraction is using dielectric spheres, or slightly demodulated vibratory spheres, that are detuned one from another to provide a beat frequency downshift, which creates an energetic high-frequency component of ZPE. Again, this is difficult to put into layman's terms, but it's essentially saying there's a fundamental harmonic that can be tapped. It's believed, by some of my colleagues, such as Dr. Patrick Bailey, that the vibratory mode of some of the antigravity craft or spacecraft we sometimes call extraterrestrial spaceships use a certain type of beat energetic frequency in their propulsion systems.

*MM: I see. So that would explain why, when some people talk about these ships, they say they hear a low pulsing sound. They're tapping ZPE through an energetic beat frequency to power their devices.*

*JJH:* Exactly. Finally, there's also utilization of microcavity techniques to perturb the ground-state stability of atomic hydrogen. This is suggesting that a hydrogen

molecule can go through a type of elasticity. And we know that hydrogen physics is wrong, because there are two types of hydrogen. There's the classical form of the hydrogen molecule, and there's one that can be made more elastic. By ultimately working with a type of micro-activation of the ground state of the elastic hydrogen molecule structure, it is possible to draw energy together to create a new vibratory resonant state that can be sustained. And then the sky is the limit. The physicists themselves are in disagreement, from Sakharov to Puthoff, as to how this is going to come about in terms of "an acceptable mode," but we all—which is to say, the writers, thinkers, and in my case the futurists—are in agreement in seeing ZPE as a form of new energy propulsion, a new energy reality for the 21st century. I see it as a century of energy liberation.

*MM: So, what would happen for other countries, say, in South America? Would they be recipients of ZPE technologies, as opposed to fossil-fuel technologies that despoil the environment, as we've done?*

**NANO-JANITOR—**  
*Microphoto of anti-CFC production technology from the 1990s that can clean solvents on a wafer down to 40 millionths of an inch (.000004).*

**NOT YOUR DIME-STORE DOOHICKY—**  
*Aerial view of use of synthetic aperture radar in the 1970s to identify the same jungle area of canals in the frontier between Belize-Guatemala, showing radar as a valuable tool for both geology and archaeology.*

**JJH:** We can all be recipients of this technology if we're not under the energy politics of scientists, business people, and politicians under the old paradigm. Of course this is still theory, and the hardware has yet to be developed.

**MM:** *Where did science go wrong?*

**JJH:** In its "process-orientated" thinking that arose out of the separation between science and spirituality that occurred 450 years ago in the West, which split the human psyche and created a vacuum. This in turn allowed disciplines to come into place that are reductionistic and not holistic. The scientific and the spiritual should complement each other in serving the most coherent, widely-acceptable approaches to successfully surmount the most crucial problems facing the human community and the Earth.

**MM:** *So, by opening up spiritually, possibilities are opened up for us in the sciences as well?*

**JJH:** Precisely. Humankind has to come to grips with anomalous history. In many areas of life a new consciousness of environmental responsibility (for all species forms) has already arisen. An esoteric knowledge of realities operating in our immediate solar system converted to new science may

feed-back and change the way planet Earth looks at itself.

**MM:** *Have you seen some of these preliminary or prototypical devices in operation? And have you had any chance to actually verify or test them in a lab? We know that people make all kinds of claims, but until you can actually examine the machine someone has created, they may just be pulling your leg.*

**JJH:** Correct. I'm putting together a matrix of close to 300 new energy systems that are being researched by scientific labs worldwide. I'm in dialogue now with leading figures in Silicon Valley who are looking at papers calling for a thorough investigation of all the ZPE claims and aerospace applications. In another context of hydrogen energy as an alternative energy source, the work of engineering companies like Hydrogen Energy Center (Rick Smith, President) and Black Light Power (R.L. Mills, President) are just a few of the pioneers. In the near future, hydrogen will become a good energy alternative. The Air Force Rocket Propulsion Lab is serious about looking at non-conventional propulsion sources. And, in a word, if funding cannot be found here in the United States for it, it may be that

there are avenues of funding in France or Japan, very similar to what Fleischman and Pons have done.

**MM:** *Exactly. They had to go to France to continue their work.*

**JJH:** But I'm looking at this very favorably, because Hal Puthoff, who's getting involved in ZPE research, is a premier scientist who has worked with the higher end of the scientific establishment. He's eminently qualified, and if people like Hal Puthoff and Alfonse Rueda get involved in the ZPE equation, it means we have credible sources at the top to work with the young engineers who are cutting their teeth on this whole new concept. Ultimately, they should be able to prove we're not locked into one space and time; we can actually change the curvature. I strongly feel that the manipulation of the space-time curvature, along with the control of inertia, is the key to the intergalactic highway system mankind eventually will be using.

**MM:** *Yes. Actually, it would be good if people could get out of their little enclaves of fear and start working together for these things for the benefit of everyone else, for the benefit of the rest of the world.*

**JJH:** The influence and power of sci-

ence, medicine, and technology are now so enormous that scientists, physicians and engineers bear an unprecedented responsibility for the future. Not only their knowledge and technical skills, but also their consciousness is critical to what we make of ourselves and our world in the next decades.

*MM: Actually, my last question was going to bring it back to us at UFO Magazine. What does ZPE mean for ufology?*

*JJH: It means that Frank Drake's famous equation about the calculated number of advanced civilizations, using certain technological ways and means for gravity propulsion over very long periods of time, and the time it would take them to get here, is essentially null and void. It means that experimental worlds, other parallel evolutions, may be actively engaged in deploying technologies that are using some applications of ZPE, and that this technology is already here. It also means we may be on the threshold of exchanging information on ZPE with such civilizations of the Higher Evolution. So we don't have to take the logic of a radio-astronomer and look 20 or 30 light years downstream to find answers. We can look at the possibilities of joining the galactic neighborhood even by interstellar devices in this generation!*

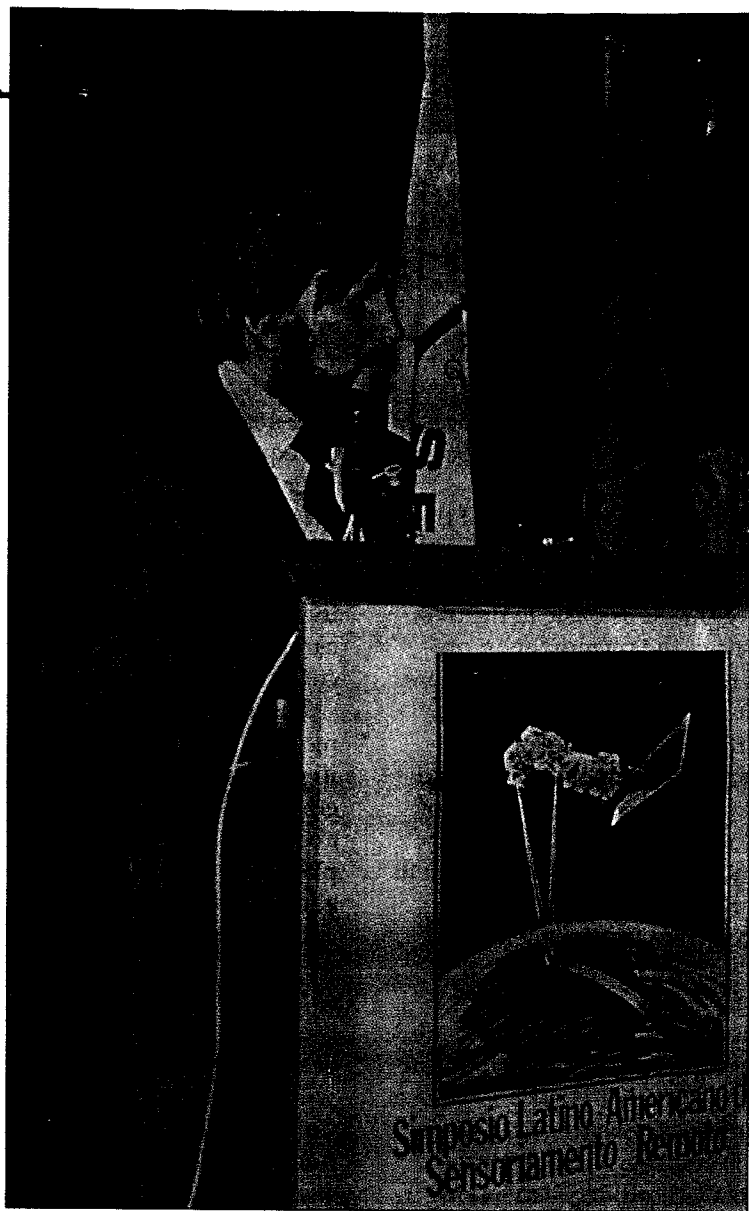
*MM: That's quite a thought. Present forms of higher intelligence and humanity, working together, tapping into ZPE, developing free energy, opening up to other planets and solar systems. But that means we have to become worthy of such a collaboration.*

*JJH: Which brings us back to our spiritual responsibilities, our evolution into homo noeticus. It is the sine qua non of our advancement with a new charter of nations amongst the stars. Therefore, let us embrace the spirit of homo noeticus. We applaud its invitation to creative engagement. We commit ourselves to the realiza-*

*tion of its aims. We urge all thoughtful and concerned persons to join with us (Earth cannot be changed for the better unless the consciousness of individuals is changed.) We pledge to work for such transformation in individual and collective consciousness. We, as human beings, are also luminous beings by virtue of being manifesta-*

*tions of the superluminal essence of the Divine. ●*

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**COMMENTS ON CONSCIOUSNESS**—In the 1980s, Dr. Hurtak gave a presentation before one of the world's remote sensing conferences in Brazil, sponsored by SELPER, the Latin American Remote Sensing Society.

**'Earth cannot be changed for the better unless the consciousness of individuals is changed. We pledge to work for such transformation.'**