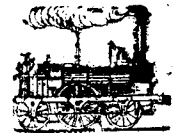


# Homo Noeticus and Future Science

An Interview with Dr. James J. Hurtak,  
President of the Academy For Future Science.



## 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.

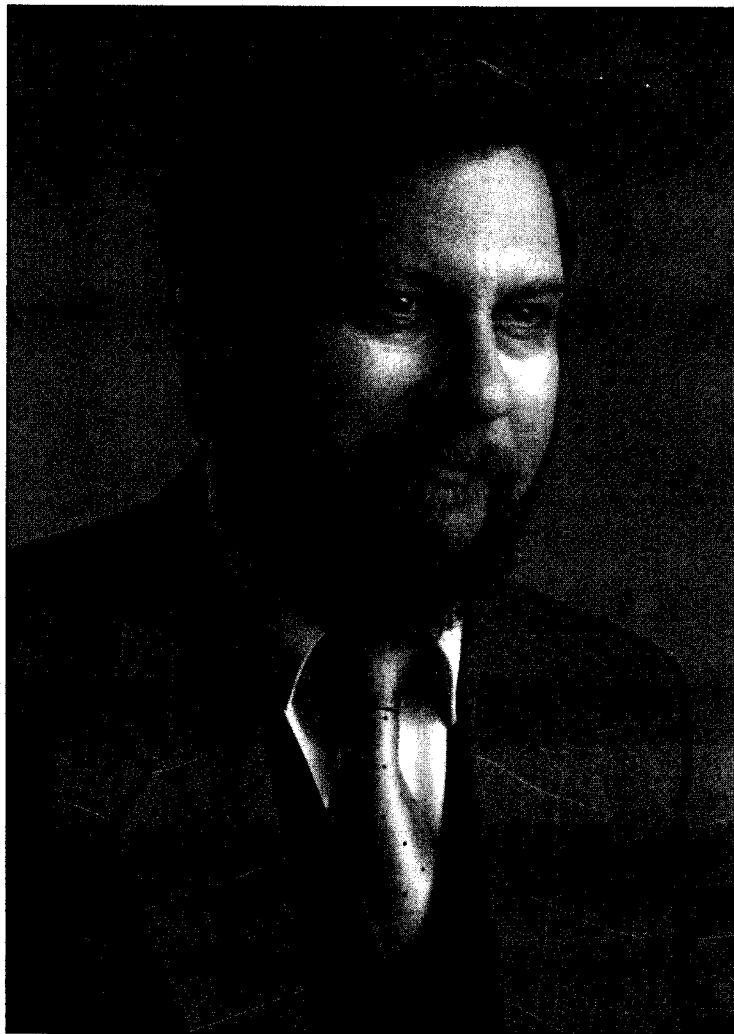
—Michael Miley

*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!*

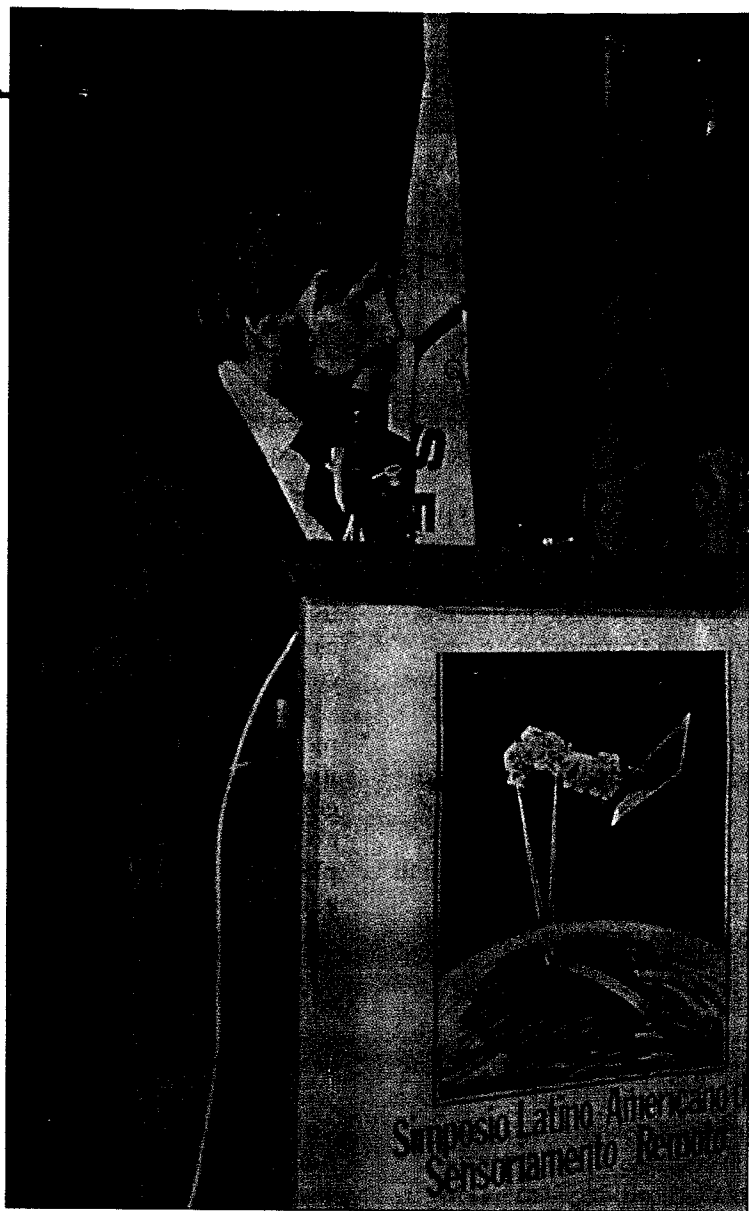
*MM: That's quite a thought. Present forms of higher intelligence and humanity, working together, tapping into ZPE, developing free energy, opening up to other planets and solar systems. But that means we have to become worthy of such a collaboration.*

*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.'**