

Iran needs a defense system beyond nuclear umbrellas

05/09/2009 01:00:00 PM GMT

By Dr. John Hagelin and Dr. David Leffler

As reported in *The Tehran Times*, Iranian Foreign Ministry spokesman Hassan Qashqavi recently said that "a defense umbrella is needed in the region to protect against the Zionist regime's nuclear arsenals." Israel has allegedly stockpiled over 200 nuclear warheads. Qashqavi asserts that elimination of Israeli nuclear weapons is the best guarantee for peace and security in the region.

The authors agree that elimination of nuclear weapons would be a good step. However, it is a step unlikely to be taken in the present hate-filled, high-tension political climate. Why? Israel fears its neighbors, so it has acquired nuclear weapons to serve as deterrence against attack. Ironically, this is the same reason why other countries like Iran might also want to obtain nuclear weapons.



(ISNA) The military of Iran is charged with the constitutional responsibility to defend the country.

The word "deterrence" comes from the Latin root meaning "fear." In theory, war is deterred by instilling fear in potential enemies. To this end, Israel is said to have amassed tremendous destructive potential. While the alleged 200 nuclear warheads may incite fear in potential foes, the same fear encourages other countries to acquire a nuclear "umbrella" as well, further inflaming regional tensions and hatred. For this reason, no country committed to defense solely through destructive power is likely to generate a trust-based, fear-free and peaceful atmosphere.

Diplomacy and economic sanctions alone have not been sufficient to resolve the fear crisis - which is driven by human behavioral dynamics that cannot be controlled by such methods of persuasion alone.

War, whether hot or cold, is a human problem requiring human solutions. War often thrives in chaos. The underlying cause of conflict is accumulated social stress. Today the military of Iran has an opportunity to address this fundamental cause of war by deploying a new, scientifically verified technology of defense beyond nuclear weapons.

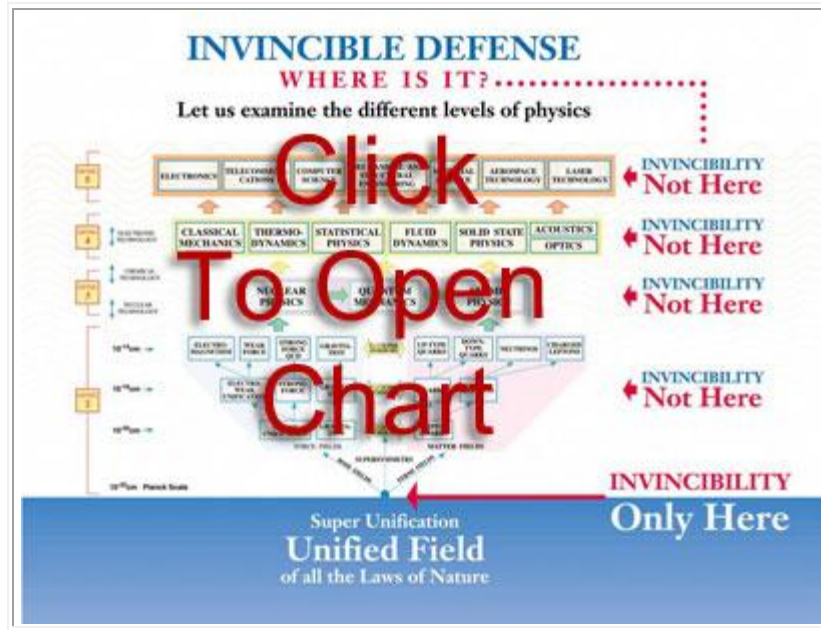
- **A new solution**

A proven new technology of defense is now available - a technology of national security, fully capable of defending Iran from any destructive technology, including nuclear weapons. Militaries have already applied this technology in order to defuse and eliminate conflict. Extensive research has confirmed its effectiveness. This new technology is easily applied, highly cost-effective, and can prevent disruption and attack from within the country or outside the country.

This new technology of defense is based upon the latest discoveries in the fields of physics, neuroscience, and physiology. Ultimately, it is based on the discovery of the unified field of all the laws of nature - the most fundamental and powerful level of nature's dynamics. Technologies based upon this unified field of natural law have such concentrated power that they can render obsolete and irrelevant every previous objective technology and destructive means of defense.

Modern science has probed deeper levels of nature's functioning, from the macroscopic world of classical physics to the world of the atom, then to the underlying field of the atomic nucleus, and then to the subnuclear levels of nature's functioning. This exploration has culminated in the discovery of the unified field, the unified source of the diversified laws of nature governing the universe. From its purely self-interacting dynamics, the unified field creates from within itself all the particles and forces that compose the universe, and all the diversified streams of natural law governing the nuclear, atomic, molecular, and macroscopic levels. Because this unified field is vastly more powerful than any other level of nature's dynamics, a technology of defense based upon the unified field is of historic importance. It is already changing the whole science and technology of defense.

The discovery of the unified field is not a philosophical development. It is a scientific development of the foremost order - a rigorous mathematical development based upon the Lagrangian of the unified field, a highly compact mathematical formula that describes the self-interacting dynamics of unity at the basis of all the diverse laws of nature governing the universe. A technology based upon this complete, most comprehensive level of nature's functioning is completely different from and vastly more powerful than all previous defensive technologies based upon diversified levels of natural law - nuclear technologies, chemical technologies, biological technologies, electronic technologies - because these all utilize specific laws of nature in isolation. The unique power of the unified field and of technologies of the unified field reveals that invincibility in nature is only available at this superunified scale.



Any defense strategist today understands that more fundamental, more powerful levels of nature's functioning offer technologies that are increasingly powerful. For example, a country armed only with chemical weaponry, such as explosives, cannot protect itself against a nation equipped with nuclear weaponry.

But it is important to understand why nuclear weaponry is more powerful. In physics the quantum principle, or uncertainty principle, states that dynamism increases at more fundamental scales: more precisely, the energy associated with a physical process is inversely proportional to the distance scale or time scale associated with that process. That's why nuclear power, associated with transitions at the nuclear scale, is a million times more powerful than chemical technologies based upon transformations at the molecular scale. The atomic nucleus is a million times smaller and hence a million times more powerful than the chemical or molecular level.

The principle here is that an invincible structure at one level of technology can be easily overwhelmed by a more fundamental level of technology. The ultimate application of this basic principle is that the unified field, at the superunified scale - the Planck scale of nature's functioning, which is ten thousand times more fundamental and more powerful even than the grand unified forces - is completely invincible. Any previous level of technology, including all technologies of defense, is easily overwhelmed and rendered obsolete through a technology of the unified field. And it is just such a technology that Iran needs to deploy today.

- **A safe solution**

At this point, an intelligent reader might ask, "Is such a technology of the unified field safe?" The development of nuclear power has threatened humankind with nuclear conflagration and has cast a shadow over the safety and security of the whole world. What potential dangers could accompany a technology of the unified field, which is a thousand million million times more powerful?

Fortunately, there is no danger to humankind from these technologies of the unified field. A technology of the unified field operates at the basis of the laws of nature governing the universe - a completely unified and holistic level of nature's functioning. Because this level of natural law is holistic, it is naturally free of the negative, unanticipated side effects that accompany technologies based upon fragmented levels of natural law.

The unified field is the unified source of all the laws of nature governing the universe. It is a field of purely life-supporting, life-nourishing influence that gave rise to all life and all forms and phenomena in the universe. From that unified level, only life-supporting effects are possible - as confirmed now by over 600 scientific studies that have explored the effects of this technology of the unified field on individual life and on the life of society. These studies have found only life-nourishing, positive benefits, based upon the holistic nature of the unified field-based technology involved.

- **The transcendental meditation program: Accessing the unified field within**

This capability of this unified field-based defense technology is the basis of the world's traditions of meditation. Properly understood and properly practiced, meditation throughout the ages has been a systematic technology to turn human awareness within to experience and explore finer levels of thought. And the experience of these deeper levels of human intelligence corresponds to the experience of deeper levels of intelligence in nature. This inward exploration of consciousness culminates in the direct experience of the deepest level of consciousness - this simplest, silent, settled state of human awareness, sometimes called the state of pure consciousness - in which the human mind identifies with the unified field. By turning the attention systematically within, human awareness experiences and explores deeper levels of nature's functioning and directly experiences the unified field at the source of thought - the field of unity at the basis of mind and matter.

This approach of direct experience of the unified field is both ancient and modern. The Vedic tradition of knowledge, from ancient India, is the most complete and highly developed tradition of meditation in the world. And yet this ancient approach of gaining knowledge and experience of natural law, the unified field, has also become the focus of intense scientific research over the past 50 years. The late Maharishi Mahesh Yogi has revived, from the ancient Vedic science of consciousness, systematic technologies for experiencing the unified field, including the Transcendental Meditation program and its advanced techniques. These meditation practices are known as Invincible Defense Technology (IDT) in military circles. They have been successfully used by members of many faiths to eliminate conflict in the recent past. If the military of Iran were to apply this human resource-based technology, which is non-lethal and non-destructive, it could reduce the collective societal stress that is fueling the rising tensions between Iran and Israel.

- **Transcendental Meditation is not a religion**

People from all religious backgrounds practice the Transcendental Meditation program and appreciate how it has enhanced their faith. For instance, Nada Haider, a practicing Muslim living in Beirut, Lebanon, wrote: "I would say that the Transcendental Meditation technique is like cleaning the mirror and what you see afterwards has nothing to do with the actual process of cleaning. TM is not a religion and it does not in any way require individuals to change their personal beliefs or practices; yet, by promoting a clear mind and a clean, stress-free nervous

system, it helps one to live the highest values of religious life."

Miral Shaaban, a veiled Muslim who lives in Cairo, Egypt, wrote: "I cannot ever forget the first time I prayed after my first meditation. I learned the TM technique in December of 2006: I was speechless and cannot explain this state of complete serenity, contentment and gratitude for God. TM increased my level of acceptance and appreciation for my faith and strengthened my beliefs." She also reported that "reading from the Qur'an is becoming more enjoyable and comforting at the same time, as now I can better link its teachings with everything around me: my level of comprehension of its meanings are increasing on a daily basis...The great value of TM is that it deepens and expands one's level of consciousness, so that one can begin to more fully grasp and live the deeper meanings and values of one's own religion. This truth reminds me of the teaching from the holy Qur'an that offers great knowledge in the form of a question: 'Are those who know and those who know not on the same level?' Obviously, the answer is no."

Atmane Kouider, Ph.D., practicing Muslim and teacher of the TM program who lives in Algiers, Algeria, reported: "Among all the people to whom I taught the TM Technique, I have never heard of anyone who gave up his Islamic practice after learning TM; but, I have heard of many individuals, born Muslim, who adopted Islamic practice after learning the TM program. God states in His Holy Qur'an: 'Verily never will Allah change the condition of a people until they change that which is in their own self.' Here, in TM, is a scientifically validated program for changing our inner condition to harmony and all good. Let us adopt it to improve that which is in our own self and deserve God's Mercy and Grace for ourselves and every living being."

- **The Prevention Wings**

A Prevention Wing of the Military would be the ideal way to achieve this goal. Less than 1% of the military of Iran would be in this wing. The remaining personnel would carry out their normal military duties. The Prevention Wing of the Military would be trained in the primary components of IDT. They would practice these technologies in large groups, morning and evening.

These Vedic technologies of consciousness, as revived by Maharishi, have become the world's most widely practiced, extensively researched, and broadly prescribed by doctors of any program of meditation in the world - indeed, of any program for the promotion of full human potential. These techniques systematically lead the attention within to experience the unified field - and this experience harnesses and mobilizes the unified field for practical application in the life of the individual and society.

The innate capability of the human brain to experience the unified field through these meditation programs has been validated in many ways. Millions of people practice Transcendental Meditation regularly twice a day and gain experiential confirmation through the direct experience of unity, of universal intelligence at the basis of mind and matter. Extensive scientific research confirms the completely holistic, life-supporting benefits of this experience of the unified field for all aspects of health, learning, brain development, and behavior. More than 600 published scientific studies, conducted by over 250 independent universities and research institutes in 35 countries, make this technology of consciousness the world's most extensively proven technology for the full development of human potential. All these wide-ranging, purely positive benefits are a testimony to the unified, holistic nature of the unified field and its technologies.

- **The Maharishi Effect**

According to extensive scientific research, the size of the group of IDT experts needed to reduce social stress in a given population must be at least the square root of one percent of the population. To calculate this number, multiply the population size by 0.01, and then take the square root of this number. For instance, Iran has a population of approximately 66 million, and $66,430,000 \times 0.01 = 664,300$. The square root of 664,300 is approximately 816. So a group of at least 816 IDT experts would be needed. However, an even larger group would be safer because engineers who build structures for maximum human safety regularly "over-engineer" their creations out of concern for unanticipated variables. The same rationale holds for engineering peace in a volatile region like the Middle East. (Click to access an online "Square Root of One Percent of the Population" calculator for other countries.)

Studies show that when the required threshold of IDT experts is crossed, crime goes down in the affected population, quality of life indices go up, and war and terrorism abate. Scientists have named this phenomenon the Maharishi Effect in honor of Maharishi Mahesh Yogi, who first predicted it.

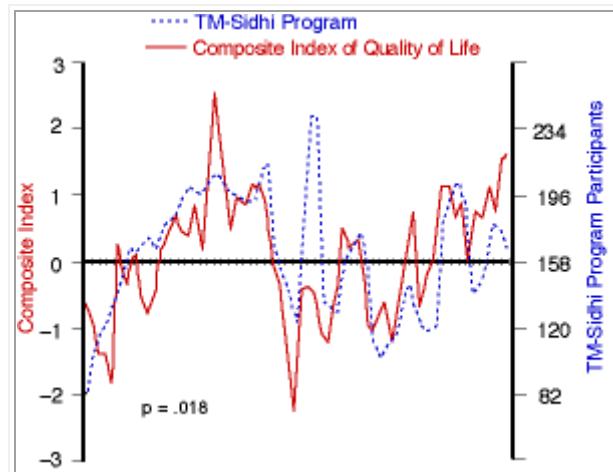


For instance, in 1993, a two-month Maharishi Effect intervention was implemented and studied in Washington, DC, the capital of the US. Predictions of specific drops in crime and other indices were lodged in advance with government leaders and newspapers. The research protocol was approved by an independent Project Review Board. The findings showed that crime fell 23 percent below the predicted level when the peace-creating group reached its maximum size. Temperature, weekend effects, or previous trends in the data failed to account for changes. This research was published in the peer-reviewed *Social Indicators Research* (1999, vol. 47, 153-201).

Over 50 studies have shown that IDT works to lower crime, aggression, war deaths, etc. and to improve the quality of life in society. The causal mechanism has been postulated to be a field effect of consciousness – a kind of spillover effect produced by enlivenment of the unified field by the peace-creating group spilling over into the larger population. Some support for this explanation comes from a study published in the *Journal of Social Behavior and Personality* (2005, vol.

17, 285-338). Research on the neurotransmitter serotonin has shown it to be associated with a state of physical and mental well-being. Indications of low levels of serotonin activity correlate with violence, aggression, and negative mood states. The IDT study showed that an increase in the numbers of IDT experts practicing in groups correlated with an increase in serotonin among non-TM-practicing community members several miles away for the group. These results were statistically highly significant and supported a causality model. This finding may offer a plausible neurophysiologic mechanism to explain reduced hostility and aggression in society at large.

IDT Group Size vs. Quality of Life in Israel



Quality of life in Israel improved and intensity of the conflict in Lebanon decreased in direct proportion to the number of Invincible Defense Technology experts in the coherence-creating group (*Journal of Conflict Resolution*, 1988, vol. 32, #4, pp. 776-812). [A short online video \(5:38\) featuring Dr. John Hagelin explains this finding.](#)

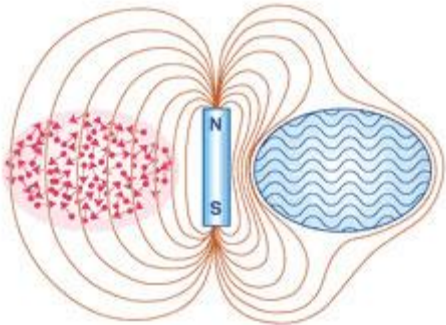
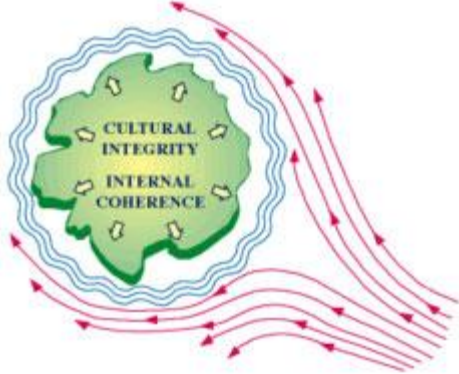
The Maharishi Effect has also been documented on a global scale in a study published in the *Journal of Offender Rehabilitation* (2003, vol. 36, 283-302). When large assemblies of IDT experts exceeded the Maharishi Effect threshold for the world (about 7,000 at that time) during the years 1983–1985, terrorism globally decreased 72%, international conflict decreased 32%, and violence was reduced in other nations without intrusion by other governments. This study used data provided by the Rand Corporation

This approach utilizes large groups of peace-creating experts practicing ancient technologies of consciousness that harness the most powerful level of nature’s functioning—the unified field described by superstring theory. Research published in peer-reviewed journals indicates that such groups can effectively defuse and prevent social problems like crime, war and terrorism.

- **No enemies means no war**

Today, the only way to assure national security and invincibility is to be a nation without

enemies. Every military strategist will confirm that conventional means of defense can no longer protect a nation against modern destructive technologies: weapons of mass destruction, nuclear weapons, biological weapons, chemical weapons, long-range push-button electronic missile technologies, or terrorism. The only effective defense is to prevent the birth of an enemy. And this can now be easily achieved, in a scientific way, by targeting and neutralizing the enmity in a potential adversary so that no enemies arise.

<h3 style="text-align: center; color: red;">Meissner Effect</h3> 		<h3 style="text-align: center; color: red;">Maharishi Effect</h3> 
<p>On the left, an external magnetic field penetrates an ordinary conductor whose electrons behave in a chaotic or disorderly way.</p>	<p>On the right, the external magnetic field is excluded from the interior of a superconductor whose electrons function in a coherent collective manner—invincibility.</p>	<p>The Maharishi Effect creates invincible "national armor" that cannot be penetrated by the collective negativity of other countries.</p>

This is strategic defense. In the past, nations would align their soldiers on the country's border in the hope of preventing attack. Today any nation can simply launch a bomb across the border—and there is no defense against such electronic weaponry. The whole principle of defense based on offense, which has never really worked, is completely obsolete today—and everyone knows this. There is absolutely no scientific evidence to support the premise that war creates peace.

In the United States, for example, the Bush administration began its war on terror years ago and attacked Afghanistan, and subsequently Iraq, in the hope of eliminating its enemies. But there is no evidence today that the number of terrorists has been reduced through this war on terror; if anything, the number of would-be terrorists has increased. And therefore, the United States, like every other nation, remains insecure. In fact, the entire world is in an extreme state of vulnerability to attack.

Finally, every military commander has always been profoundly distressed by the need to send the youth of the country—the pride of the nation—onto the battlefield and into war. If the youth of the country are asked to die for their country, then for whom, ultimately, does that country exist? For whom, when the youth are sacrificing their lives for the sake of the country, and when those who survive the battlefield are asked to claim the lives of others? This is a terrible historic

situation, a "kill or be killed" technology of defense that has never worked.

So what Maharishi has brought to the world, through his revitalization of this technology of the unified field and through intense scientific scrutiny of its deep principles, is really a technology of invincibility at a time of enormous global vulnerability. Now it is possible, through this most advanced technology of defense—the Invincible Defense Technology—to prevent war on a scientific basis, and to safeguard the youth of the country who, if they simply utilize this technology, will never have to face the devastation of war. This technology can literally prevent the birth of an enemy, and can create a family of nations that is harmonious and peaceful, each nation invincibly strong within itself.

- **The opportunity for permanent peace in the Middle East**

The military of Iran is charged with the constitutional responsibility to defend the country. It can now succeed in this mission simply by creating a Prevention Wing of the Military—a coherence-creating group of IDT experts equaling or exceeding the square root of 1% of the population of Iran. The rest of the military can continue to do exactly what they already do and can continue to receive exactly the same training that they conventionally receive. Only a Prevention Wing of the Military needs to be trained in these additional technologies for invincibility—the science and technology of consciousness, the technology of the unified field. That small group can prevent war on a scientific basis and produce such indomitable coherence and invincibility that none of the other soldiers will ever have to face the devastation of war. In addition, these technologies powerfully improve and benefit the lives of the soldiers themselves, developing their full brain potential, robust health, dynamism, imperviousness to the stress of the battlefield, and many other benefits, as scientific research has confirmed.

As part of its responsibility to protect the nation, Iran's military is obligated to thoroughly examine realistic, scientifically proven methods for preventing war and terrorism. IDT is such a method. Moreover, since the military and military personnel are funded by the government, a Prevention Wing of the Military would not be subject to the fluctuations in size that often affect civilian IDT groups, where participation may be influenced by finances, job demands, graduations, and optional activities. Military members are paid to perform their duties and protect the nation. Ultimately, it is the military's duty to build a Prevention Wing of the Military.

Application of this technology is extremely easy and costs virtually nothing, because no expensive equipment or machinery or weaponry is required. All that is needed is the human nervous system - an extraordinarily sophisticated and refined machinery - which can be trained and put immediately to this purpose of accessing and harnessing the almost limitless power of the unified field. The fact that such a small group of soldiers can achieve true national security and invincibility, whereas previously thousands of soldiers could not, testifies to the power of this technology of the unified field, which operates at a level of nature's functioning millions of times more powerful even than the nuclear level.

We emphasize that just a small percent of the military is needed. There is no risk to the military - nothing to lose and everything to gain. And by "everything," we mean not only national security and invincibility - which are, of course, the foremost goal - but as side benefits, economic growth, improvement of health throughout Iran, and improvement of educational standards in the country. When the national mood is bolstered and buoyed by growing positivity and coherence in collective consciousness, as generated by the IDT group, then the confidence of the

nation's citizens increases and the economy improves as a result.

All areas of society will be simultaneously enriched by this holistically life-supporting, life-benefiting technology. It is enormously effective and cost-effective, and the results are immediate. All that is necessary is to provide the proper training for a group of military personnel - or indeed, any large group within the country. Iran has the opportunity today through IDT to create true "umbrella" of national security and invincibility. But the time to act is now.



"Very impressive, General. But what I really want to know is how many **Invincible Defense Technology Experts** you have in your military!"

About the Authors:



John Hagelin, Ph.D. is the Director of the Institute of Science, Technology and Public Policy (ISTPP), an organization in the United States that advocates scientifically proven, prevention-oriented solutions to critical global problems. He is a Harvard-trained quantum physicist who won the prestigious Kilby Award, which recognizes scientists who have made "major contributions to society through their applied research in the fields of science and technology." Dr.

Hagelin also serves as the Executive Director of the *International Center for Invincible Defense* and as International Director of the *Global Union of Scientists for Peace*. A video of Dr. Hagelin (1:13:00) explaining the scientific research on IDT is [available online](#) as well as from a [transcription](#) with full-sized images from his presentation.



David Leffler, Ph.D. an United States Air Force veteran, is the Executive Director of the *Center for Advanced Military Science (CAMS)* at ISTPP. Dr. Leffler has published articles about IDT in *Aljazeera Magazine, PakTribune, Alarabiya, Pakistan Daily, Arab News, Pakistan Link, Middle East Online, Hi Pakistan, Beirut-Online, The Pakistani Spectator, News From Bangladesh, Muslims, Muslim World Today, Sinhala, New Age Islam, Haalkhabar, Chowk, and Islam And Muslims*. He serves on the Board of Editors for the *Journal of Management & Social Sciences (JMSS)* Institute of Business & Technology BIZTEK in Pakistan. More information

about IDT developments is available here: <http://www.davidleffler.com/worldwide.html>