

Channel	Uploaded Date	Video URL	Video Title	Description	
TheSSEChannel	2019-03-11	https://youtu.be/ynOQy8rzSs4	Further Analysis of Energetic Healing Signals _ Mike Turner	<p>Further Analysis of Energetic Healing Signals (Continuation of Radin/Bengston Analysis) Mike Turner At the 2016 SSE meeting, Dean Radin reported some initial analysis of experiments that attempted to record energetic signals associated with the healing processes of Bill Bengston and others. In tests conducted within a Faraday cage, sensors included 38 transducers: eleven 3-axis magnetometers, a geomagnetometer, two electromag- netic sensors, and two Caduceus antennas. Samples were recorded with 24-bit resolution at a sampling rate of 44.1 KHz. Sessions included scenarios where healers treated subjects, charged cotton or crystals, or sat quietly with no conscious healing intent. Other recordings involved only charged or uncharged cotton, other artifacts, or no object at all. Early analysis found some deviations between healing and control periods, but these deviations were not observed to appear in a systematic way. Further analysis of twenty recordings has been carried out more recently using greater spectral resolution, particularly at low frequencies, and studying short term temporal events. This work has revealed additional interesting features in the signals. In several cases, relatively large differences were noticed between very low frequency spectral content in some healing scenarios versus controls. Short term temporal bursts of relatively large amplitude with trailing oscillations were found to occur more often during sessions that include periods of healing (though not always when a healer is consciously trying to heal) as opposed to recordings where no healer is present. It was observed that many signal events which occurred during sessions that include healing periods were recorded by sensors near the subject being treated, rather than near the healer. Recognized signal events were tabulated to summarize the number of events of different types observed at different locations. This summary may be suggestive of some trends. Results are interesting, but not sufficiently consistent nor systematic enough draw conclusions. Bio: Mike received his BSEE degree from Louisiana Tech University and his MSEE and PhD in Electrical Engineering from the University of Missouri-Rolla, focusing primarily on signal processing and communications systems. His professional experience includes research and development on the GPS system, radar systems, and a wide range of communications systems, including wireline, wireless, and fiber optic technologies, as well as work on applications in biotechnology. He is a member of the IEEE, past member of the American Chemical Society, the Biotechnology Association of Alabama, a past Associate of the Motorola Science Advisory Board, and is the inventor or co-inventor on 20 issued patents. In other interests, he is a member of the Scientific Advisory Board of The Monroe Institute and is a co-inventor of TMI's SAM (Spatial Angle Modulation) audio technology. He is a past member of the board of directors of the Rhine Research Center, a member of the SSE (Associate), the Windbridge Institute, IRVA, IANDS, the Parapsychological Association (Affiliate), and the Forever Family Foundation. Current research activity includes signal processing toward development of healing application technology with Bill Bengston and Dean Radin. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2019-05-16	https://youtu.be/oBQf5N16ayQ	Can Healing be Reverse Engineered and Made Practical and Scalable_ _ Bill Bengston	<p>Can Healing be Reverse Engineered and Made Practical and Scalable? Bill Bengston & Sarah Beseme In many in vivo and in vitro experiments over the course of 35 years, robust and reliable data demonstrate beyond reasonable doubt that “healing” can happen, that dose is a factor, that healing proceeds non-linearly, that it is not fundamentally “energy” but “information” that is at work, that it is not correlated to a particular state of mind but functions more as an autonomic response to the need of the healee, to name but a few findings. And while the list of basic research questions regarding anomalous healing remains inexhaustible, current research also includes the question of whether the healing effect can be “captured” and “reproduced” without the healer. In other words, can we store and independently deliver healing in a practical fashion? Selected current research on whether biological systems can recognize “stored” healing will be presented, along with work designed to test whether “recordings” of healing potential can bring about healing outcomes. Sarah Beseme discusses the effect of audio recordings of energy healing activity on cancer cells. Recordings were played to the cells from 30 min to 2 days and genomics studies were performed to identify genes that are affected by the recordings. The focus was on genes involved in cancer pathways or in cancer inflammation. Results to date indicate the possibility that the recordings may have an effect on genes involved in apoptosis, which is the process of programmed and controlled cell death that occurs naturally. In addition, the telomere shortening pathway could be involved. Shortening of telomeres, short sequences of DNA located at the extremity of our chromosomes, is associated with aging and aging-related diseases. Bios: Bill Bengston is the SSE President. Sarah Beseme, Ph.D. is principal scientist at Beech Tree Labs, Inc. As a scientist specialized in molecular and cell biology, her research focuses on the development of therapeutics for the treatment of various diseases, from traumatic brain injury to tissue repair. Beech Tree Labs has established long term collaboration with Bill Bengston to dissect and understand energy healing, with the ultimate goal to make it accessible to everyone. Recorded at the Society for Scientific Exploration conference at Yale University in 2017 Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/-cUk3S7QIsI	An Emerging New Paradigm for Complementary Medicine _ Harald Walach	<p>An Emerging New Paradigm for Complementary Medicine –Generalised Entanglement and New Experimental Support Ana Borges Flores (1), Harald Walach (2) (1) University of Edinburgh, Koestler Chair of Parapsychology, Department of Psychology, Edinburgh, UK (2) University of Witten-Herdecke, Department of Psychology, Witten, Germany</p> <p>Some years ago a new paradigmatic model was proposed that might be able to unite various experiences that are common in complementary and alternative medicine (Walach 2005). It is based on the new concept of a Generalised Quantum Theory (GQT) (Atmanspacher, Römer & Walach 2000) that also predicts Generalised Entanglement (GET) correlations. Meanwhile there is experimental support for the model. Method: A meta-experiment has been developed by Walter von Lucadou with three positive experimental realizations that has now been replicated independently two times. It uses a random number generator that drives a fractal display. Voluntary participants are seated in front of the computer with the instruction to “influence the direction the fractal grows or shrinks using their intention or will only”. An experiment consists of 9 runs with 3 different instructions to shrink or grow the fractal, or keep it stable. The experiment is moved forward by key-presses. Out of this set-up 5*9 (45) physical variables are created and 5*9 (45) psychological variables. These 45*45 variables are correlated across all experiments, yielding a correlation matrix with 2025 cells. The theoretical prediction is that there will be more correlations visible than expected by chance or in the control matrix, and that in replications the correlations will swap places across cells, but will, overall, stay significantly visible. A control matrix is also constructed out of an empty run of the system and the psychological variables of a predecessor experiment. The statistical evaluation follows a classical approach using the differences in the number of correlations in both matrices and calculating a z-score, and a Monte-Carlo-simulation using 10.000 simulated runs. Results: Two independent experiments with 100 to 200 participants each have been conducted up to now, and a large multi-center experiment is under way. The two experiments confirm independently that in the experimental matrix there are more correlations than should be expected by chance or than there are in the control matrix. A more conservative simulation analysis confirms the results with $z = 2$. Conclusion: Generalised Entanglement seems to be indeed a feature of reality, if suitable rituals for a closure of a system are chosen. This lines up with attempts by Beauvais to understand results of high dilution experiments. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/84G3lhifXcc	Phantom Limb Pain _ Rick Leskowitz	<p>Phantom Limb Pain Rick Leskowitz Phantom limb pain (PLP) is a form of chronic neuropathic pain that responds poorly to treatment interventions derived from the neuroanatomic understanding of pain and analgesia. Several new psychological and behavioral treatments (mirror boxes) that have proven more effective have been explained by invoking neural plasticity as their mechanism of action. Other novel treatments that are based on an “energy medicine” model also appear to be quite effective, including Therapeutic Touch and Energy Psychology (EFT, aka “tapping”). These approaches address the psychological trauma of the amputation itself, a factor that is generally overlooked in the standard surgical approach to limb amputation. A speculative trauma/energy model for the etiology of PLP is proposed, based on the so-called “phantom leaf effect”. According to this model, the phantom limb is not a hallucinatory construct of the cerebral cortex, but is an independently existing physical phenomenon. Several methods for detecting this energy field complex will be described, along with the strengths and weakness of each approach: manual palpation, Polycontrast Interference Photography (PIP), Gas Discharge Visualization (GDV), and Kirlian photography. The model’s utility in explaining several anomalous aspects of PLP, as well as the clinical efficacy of energy therapies, is outlined. This model is proposed as a step in the development of simple and effective energy/trauma treatment protocols for this widespread and largely treatment-resistant disorder.</p> <p>Recorded at the Society for Scientific Exploration conference at Yale University, 2017</p> <p>Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join</p> <p>The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/8QHiyih33Ec	Report of Firsthand Out of Body experiences _ Julia Sellers	<p>Report of Firsthand Out of Body experiences Julia Sellers This paper presents the case for studying out of body experiences based on first hand experience. It was written from the perspective of experiencers (myself and my husband). During our numerous accounts of different types, intensities, states and rates of out of body experiences, we were able to observe, explore as well as research the main traits and characteristics of the expanded consciousness. The paper summarizes results of our subjective experience of out of body states. It introduces a new approach of researching out of body experiences based on direct know how, mastery and first hand observation by experiencers themselves. The paper focuses on description of out of body experiences mainly of my husband Michael, who has been having spontaneous out of body experiences (while fully awake) since birth and has experienced the so called conscious birth. The paper presents a portion of a fascinating true story of a man (Michael) living outside his body for over 40 years. It includes authentic extra corporeal experiences of the protagonist, who remembers his birth and his death. Michael also remembers the whole prenatal stage, having been in his mother's uterus as developing embryo, and the exact instance his vibratory oscillating quantum of light energy (aka Soul/Spirit body) entered his mother's uterus and into the fetus (which later became his future physical body). Michael is different from others in that that he literally lives his life outside his body, and is able to leave the physical body (without the help of artificial induction) to travel interdimensionally, while staying fully aware. Over the last 20 years I have been compiling characteristics (typology) of out of body experiences as featured in my paper. This comprehensive report is solely based on my own out of body experiences (have experienced my first OBE in 1995), observation of out of body states of my husband who is an experiencer since birth and has been undergoing significant OBEs for the last 40+ years and testimonies of private clients of mine who themselves are experiencers as well as participants of the lectures, speeches, and workshops on OBEs, I have been conducting in Europe. Special attention in the paper is given to the fact that out of body experiences were identified as one of the main experiences pertaining to encounters with NHI (non human intelligence) as recently pointed out by excellent research carried out by the FREE foundation. To sum up, the paper offers a detailed and comprehensive understanding of the nature of mainly spontaneous (versus artificially induced) out of body experiences as experienced by Michael and me. Paper describes in extraordinary detail how out of body state is perceived from the perspective of its connection to the 5 traditional human senses and how the heightened intensity of the traditional senses as well as nontraditional senses such as direct inner vibrational cognition or molecular transformation operate in the etherical body during the out of body state including the multidimensional perspective. Information contained in this work both on personal as well as general level is conducive on many different perspectives including the true nature of human awareness as well as human consciousness operation under its expanded mode outside the boundaries of the body. Furthermore, the paper argues that out of body experience does not require special conditions such as sleep, near death experience, extreme physical effort, or induction (mental, mechanical or chemical) to occur. Rejection of subjective experience is quite strong in mainstream science. Therefore examining the insights of subjective experience will greatly contribute to strengthening of holistic approach both in the OBEs as well as the consciousness study in general. Recorded at the Society for Scientific Exploration conference at Yale University, 2017. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/Lfiwd2PzXvw	<p>God and the Afterlife_ Latest Findings from the Largest NDE Study Ever Reported _ Jeffrey Long</p>	<p>God and the Afterlife: Latest Findings from the Largest Near-Death Experience Study Ever Reported Jeffrey Long Jeffrey Long, M.D. has scientifically studied over 4000 near-death experiences (NDEs). Dr. Long will review this prior research and present his current groundbreaking investigation of the content of NDEs that address humankind's "Big Questions" which include: Does God exist? Is there an afterlife? What is the meaning and purpose of earthly life? NDEs have extraordinarily consistent information that address the Big Questions. Insights into the Big Questions from NDEs does not seem explainable by preexisting cultural or religious beliefs. This is the largest scientific investigation of sequentially shared experiences addressing the Big Questions ever reported. Bio: Jeffrey Long, M.D. is a radiation oncology physician practicing in Houma, Louisiana. Dr. Long has investigated over 4000 near-death experiences (NDEs), which is by far the largest number of NDEs ever scientifically studied. The results of his previous research were published in the New York Times bestselling book Evidence of the Afterlife: The Science of Near-Death Experiences. Dr. Long's latest NDE research is presented in his most recent book God and the Afterlife: The Groundbreaking New Evidence for God and Near-Death Experience. Millions of people have seen Dr. Long discuss his re- search on shows including the NBC Today Show, The O'Reilly Factor, The Dr. Oz Show, National Geographic television, History Channel, and on television broadcasts around the world. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/0ZknXfBCdRs	A Hidden Event_ Portal Areas _ Ron Westrum	<p>A Hidden Event: Portal Areas Ron Westrum In 1982 I journeyed across the country to study UFO and other anomalies on the Yakima Indian Reservation in Washington state. Now, 35 years later, I propose we look at portal areas as a focus of scientific study. Portal areas in the United States and elsewhere display a variety of reported anomalous events. It is this variety of anomalous events that is intriguing and I believe, unexplained. The Reservation, in addition to UFOs, had strange aerial balls of light, bigfoot sightings, "stick Indians" and much more. Its variety of well-documented anomalous events is matched by similar areas in southwest Pennsylvania and the San Luis Valley, which includes parts of Colorado and New Mexico. "Portal areas" will do for a working concept, but I am not sure these areas contain doors to elsewhere, though it is interesting to think so. But what accounts for the variety? That is the key question. Are UFOs, for instance, the hallmark of some larger process that also brings in, say, bigfoot, or cattle mutilations? What is this larger process? Have these weird events always been in these areas? The notes and tapes from Yakima sat in my files for years, unresolved, until I began to appreciate that the other two areas offered similar assortments (with lots of commonality), and so the "portal area" concept began to gather force. One interesting feature is that information about these areas tends to circulate locally but not, say, nationally. So there is no pressure to resolve what is certainly a mystery. Yet the "odd stuff" is not random, and so there must be an explanation for at least some of it. Personally, I don't find the "earthlight theory" involving geological fields of force persuasive. Something paranormal going on here, but what is it? How does it operate? We tend to think of paranormal forces operating on a micro, or personal level, but what if they operate on a "macro" level, involving hundreds of square kilometers, as well? The "Skinwalker ranch" is obviously a small-scale version of this, but the other three examples are much larger scale. Bio: Ron Westrum, Ph.D, is emeritus professor of Sociology at Eastern Michigan University, and specializes in organizational information flow. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/5LITUS9g4KA	A Multi-Frequency Replication of the MegaREG Experiments _ Keith Alexander	<p>The MegaREG set of experiments run by the Princeton Engineering Anomalies Research (PEAR) group prior to 2004, found that the response to human intention was positive when the Random Event Generator (REG) bit rate was 200 bits per trial, but negative when the bit rate was 2 million bits per trial. This reversal of the influence could not be explained with the existing theories of psi influence, and for several reasons this avenue of investigation was terminated. Given that this effect might represent a clue to the underlying structure of mind over matter influence, the current study set about replicating and extending the MegaREG experiments by examining the influence of human intention over a range of 10 different frequencies from 200 bits per second to 16 million bits per second, on a new, purpose-built REG machine. The study used commercially available REG's, covered 127 series of 1000 trials, and was undertaken by 5 operators over a period of 18 months, following protocols largely similar to those of the PEAR study. The results overall indicated no consistent variation of influence with frequency, though individual performances appeared to show idiosyncratic frequency effects at levels just over statistical significance. In line with the conference theme of expanding the boundaries of science, the discussion extends beyond the findings of this particular study to examine theoretical models potentially most suited to describing the type of influence exhibited in this experiment, and to suggest methods of validating these models.</p> <p>Bio: After starting out as a school teacher Keith Alexander did an engineering degree and PhD at University of Canterbury. He then worked in an engineering consultancy in Auckland for 6 years, married, then returned to Christchurch to manage the design section at Hamilton Jet. He moved over to the University in 1996. Currently a Professor in Mechanical Engineering, he teaches Mechanical Engineering Design and Product Innovation. He has become known as the inventor of the Springfree Trampoline, a product he commercialised through the University, and which was awarded Child Product of the Year 2010 in USA. He has a variety of patents and research interests including unconventional water craft and flying machines. He has been putting energy into the development of safety standards for trampolines in the USA, Australia, Europe and New Zealand. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/8tqYVpC411M	A Mechanism for Health Impacts of Electromagnetic Fields _ Martin Pall	<p>Finally an established mechanism for health impacts of electromagnetic fields. How diverse health effects are produced by downstream consequences of this mechanism. Martin Pall 26 different studies have each shown that microwave/ lower frequency electromagnetic fields (EMFs) produce biological effects via activation of voltage-gated calcium channels (VGCCs). Forces of such EMFs on the voltage sensor controlling the VGCCs are approximately 7.2 million times stronger than the forces on singly charged groups in the aqueous phases of the cell. This predicts, in turn, that the current safety guidelines allow us to be exposed to EMFs that are approximately 7.2 million times too high. The downstream effects of VGCC activation act via elevated nitric oxide signaling, peroxynitrite/free radical effects and excessive [Ca²⁺]_i signaling produce the various well documented effects of EMF exposure including: Oxidative stress; cellular DNA damage; cancer; massive impacts of the brain leading to widespread neuropsychiatric effects; changes in endocrine (hormone) effects; lowered male and female fertility, increased spontaneous abortion; cardiac effects including arrhythmias, tachycardia, bradycardia and heart palpitations; melatonin depletion and sleep deprivation; EHS; breakdown of the blood-brain barrier. The extraordinary cellular DNA damage produced by cell phone-like pulsed microwave EMF exposures (Schwarz et al) as compared with that produced by ionizing radiation can be understood as being due to the three levels of amplification leading from VGCC activation to free radical production with the free radicals producing, in turn, the DNA damage. The industry propaganda claim that ionizing radiation is dangerous but non-ionizing radiation is not, is exactly opposite from the actual findings on cellular DNA damage! Five worse case scenarios are discussed. Ever increasing EMF exposures are predicted to lead to a crash in human reproduction; DNA damage in germ line cells are producing large mutational increases; widespread neuropsychiatric effects will become increasingly severe; VGCC activation, known to cause the changes in synaptic development and function, will produce increasingly common autism in future generations; the known role of excessive [Ca²⁺]_i in Alzheimer's and other neurodegenerative diseases may be the the primary cause of circa age 30 dementias and may be leading to very large increases in very early onset dementias. Combined effects of these may be expected produce massive impacts on human populations. Bio: Martin L. Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University. martin_pall@wsu.edu Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/_0zSeclxOs	Electrosmog and How We can Mitigate it _ Lawrence Gust	<p>Electrosmog; Effects on Health, Building and Environmental Sources, and How We can Mitigate it Lawrence Gust We live in a toxic environment but only a small fraction of the public is aware of it. Our homes and buildings that provide shelter can also be harmful to our health. Wiring and appliances cause stray electric and magnetic fields. We pollute out buildings and schools with electromagnetic (EM) emitting devices such as Wi-Fi, Bluetooth and baby monitors. People expose themselves to EM using tablets and cell phones. External to buildings microwaves are emitted by cell towers on mountain tops, on top of buildings and even in church steeples. Smart meters blast home owners and their neighbors with microwaves every few minutes. Soon self-driving cars will add to electrosmog. Additionally, toxins from plastics, insulation and pesticides can create indoor air quality worse than the smoggiest day in the smoggiest city. As a building biologist, specific hazards focusing on EM exposure, will be reviewed as well as methods to mitigate or at least lessen exposure to them. Bio: Lawrence Gust, is an electrical engineer. He is a former Certified Mold Remediator through the Indoor Air Quality Association. He is certified by the International Institute for BauBiologie and Ecology (IBE) as a Building Biologist. Mr. Gust has been teaching classes about the indoor environment for IBE since 1996. Mr. Gust is a Certified Electromagnetic Radiation Safety Advisor through the Safe Wireless Initiative. For 25 years Lawrence was a member of management at Dow Chemical and then at the Mobil Corporation. He worked in manufacturing, product development and total quality management. www.gustenviro.com Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2019-07-25	https://youtu.be/peoCQjHfqkQ	Invisible Hazards in your Home _ Marsha Adams	<p>Are Invisible Hazards Lurking in your Home Affecting your Health? Marsha Adams Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2019-03-22	https://youtu.be/uUsM8esSwHE	The Human Mind as Models and Moments _ Herb Mertz	<p>The Human Mind as Models and Moments Herb Mertz To expand the boundaries of science, we must call into question the completeness of the basic methodology used today in scientific research. The current methodology largely accounts for only one of the two fundamental classes of natural phenomena. It currently addresses equilibrium states of nature and trends toward these equilibrium states. This approach allows for the development of reliable mechanisms and technologies stemming from physical phenomena. But it largely fails to address is the individual actions of complex systems that move away from equilibrium, such as Prigogine's dissipative structures (like hurricanes and Benard cells) and much biological activity including the time-evolution of brain states and mind states. These two classes of phenomena—movements toward equilibrium and movements away from it—can be given the respective names, models and moments. Models describe of average values in nature that represent reproducible and reliable phenomena. It is what we mean when we say that science creates models. Moments on the other hand are individual events that must be looked at individually in both time and space. Moments never occur or reproduce in exactly the same way, and their trend values are uncertain and outcomes probabilistic. The reticence of science to embrace the class of phenomena is because their behaviors are inherently unpredictable (by definition), and thus not amenable to normal modeling. Human minds, however, can be shown to exhibit both model and moment behavior, and unless we examine both we cannot fully understand human activity. Further, and most important here, this framework allows us to begin understanding the nature and character of anomalous events produced by the human mind. In this presentation, I show how the structure of mind can be set in the above framework so as to explain results seen in random event generator (REG) studies. In my own long-term use of the REG, I have been able to watch my own mind as it engages in real-time experience, and develop a model of the structure of these activities. That is, rather than model the nature of moment events directly—which cannot be done as their outcomes are inherently uncertain—this process models the structure that underlies their activity.</p> <p>Bio: Herb Mertz is a graduate of Princeton University with a degree in mechanical engineering. He was a long-time associate of the PEAR lab in Princeton, and co-founder of Psyleron, Inc., a company that make REG-based devices for research and personal exploration of the PK effect. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/2c6wiKXAWLU	Implications of the Many Interacting Worlds Model of the Multiverse _ Simeon Hein	<p>Implications of the Many Interacting Worlds Model of the Multiverse for Our Ideas about Human Personality Structure, Channeling, and Creativity Simeon Hein</p> <p>The Many Interacting Worlds model (MIW) suggests that all quantum phenomena are the outcomes of interacting parallel realities within a larger multiverse. While Hugh Everett's Many Worlds Interpretation (MWI) does not allow for different world's branches to interact, MIW starts from the idea that a near infinite number of parallel worlds already exist, interact very slightly, and produce what appear to be quantum wave mechanics in our world. What we perceive as quantum entanglement and particle/wave duality are the result of interference patterns produced by interacting parallel realities. MIW computer simulations show that a minimum of 41 repulsive parallel realities per electron are sufficient to create many quantum phenomena observed in our world. Thus, the MIW model also implies that, what would appear as personality disorders, mental disturbances, or even some inexplicable "paranormal" phenomena, could actually be expected localized outcomes of the dynamics of such a multiverse structure. In this model macroscopic, seemingly non-local "action at distance" might be the result of local multiverse dynamics. We would also expect that a small proportion of the human population would experience such interactions. These individuals could be recognized for their creativity and problem solving abilities. In other people, this would be diagnosed as multiple personalities, now known as Disassociate Identity Disorder (DID). A specific aspect of this is the activity known as channeling along with the sometimes extreme physiological changes that accompany individuals in the channeling state such as changes in eyesight, heart rate, or brain-wave frequency. Similarly, the different personalities associated with someone diagnosed with DID often have specific allergies or diseases. However, the underlying principles would be the same for all these phenomena: coherent, resonant interactions with parallel realities. Bio: Dr. Simeon Hein has a Ph.D. in sociology and is director of the non-profit Institute for Resonance (InstituteForResonance.org) located in Boulder, Colorado where he teaches resonant viewing and leads crop circle tours in the UK. He most recent book is Black Swan Ghosts: A sociologist encounters witnesses to unexplained aerial craft, their occupants, and other elements of the multiverse. Recorded at the Society for Scientific Exploration conference at Yale University, 2017 Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/0he_kfV-el	Quantum Mechanics, Metaphysics, and Bohm's Implicate Order _ George R. Williams	<p>Quantum Mechanics, Metaphysics, and Bohm's Implicate Order [SSE] George R. Williams Quantum mechanics has provided a successful framework for describing the behavior of the subatomic world. However its ontological interpretation remains mysterious. Alternative interpretations include aspects of our reality existing in quantum superposition prior to measurement (Copenhagen) or splitting into multiple separate realities (Everett). Quantum mechanics also challenges our metaphysical notions or underlying assumptions about reality. The best-known example, perhaps, is the nonlocality between subatomic particles that has been experimentally confirmed. Einstein and his colleagues vigorously argued that quantum mechanics violates locality and therefore had to be incomplete. However, nonlocality was confirmed to be an intrinsic aspect of quantum mechanics. This historical debate on nonlocality raises the question of what role metaphysical assumptions play among competing interpretations. Another class of quantum mechanical interpretations seeks description of reality more congruent with our experience, yet via sharper deviations in our underlying metaphysical assumptions. Bohm introduced his guidance equation to provide an interpretation for quantum mechanics that allowed particles to have definite location and trajectory. However Bohm achieved this by positing that the movement of particles depended on the configuration space, whose dimensionality is three times the number of particles in the universe. Bohm's approach suggests that we can perhaps achieve an ontology that is congruent with classical physics through a quantum potential function that is inherently nonlocal and holistic. While most physicists have not followed Bohm's approach, some find its ontology more appealing than the alternatives. A key question arises, however, is what are the implications of the fact that the quantum waveform operates in a high dimensional (configuration) space. What is this high-dimensional space about? Some have argued that this high dimensional space is real and represents a more fundamental level of reality. Bohm's later work proposed that this high-dimensional space of the waveform represents a more fundamental level of reality, an implicate order, which is the foundation for both consciousness and matter. Few physicists or philosophers have been willing to take this step, primarily because of the generally accepted assumption that consciousness supervenes on matter. However the arguments of Chalmers and other philosophers of mind imply that consciousness probably does not emerge from matter. Also the work of Tonini has illustrated that subjective experience seems to require an extraordinary amount of information and dimensions. Thus a framework that takes the high dimensionality of the waveform as real and foundational for both matter and consciousness appears to be a viable alternative, not just a solution for the measurement problem in quantum mechanics, but the hard problem of consciousness as well. Another important advantage of this approach is that it provides a framework that is consistent with the psi literature. Bohm's implicate order, existing as a proto-conscious, nonlocal potentia, can provide promising explanations for such psi categories as clairvoyance, precognition, and mind-matter interaction. Thus Bohm's implicate order, while radical in some respects, distinguishes itself from other interpretations of quantum mechanics through its implications for empirical testing. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/nNgmKzKPfyE	<p>Was It an Illusion_ Quantitative Analysis of an Instance of Spoon Bending _ Willem H. van den Berg</p>	<p>Was It an Illusion? Quantitative Analysis of an Instance of Spoon Bending [SSE] Willem H. van den Berg Howard, Pennsylvania, USA There are many entertainers who use sleight of hand or specially prepared trick cutlery to give the appearance of psychokinetic metal bending. However, there are some who seem to have a genuine psychic ability in this regard, and furthermore there are reports of many inexperienced people acquiring this ability when appropriately coached. In an effort to determine with certainty whether metal bending by intention alone is possible, one instance of spoon bending was analyzed quantitatively. A stainless steel spoon purchased from a restaurant supply company was marked to guard against substitution and given to a professional "mentalist" for bending. A close range video recording- was made of the spoon during the entire time it was handled by the mentalist. At first the spoon was bent in half about an axis perpendicular to the long axis of the spoon. This was accompanied by several flourishes of the mentalist's hands, during which one might argue that extremely deft sleight of hand had caused the bending. Next the mentalist used obvious muscular force to re-straighten the spoon. Then he wrapped the fingers of one hand around the handle of the spoon and held the other hand about 3—5 cm away from the protruding bowl of the spoon. When the bowl had rotated 180 degrees about the long axis of the spoon (without the handle rotating), he relinquished the spoon thus permanently deformed. Although it appeared that this twisting occurred without the application of any mechanical torque, it must be asked whether the mentalist had surreptitiously caused the 180 degree rotation while straightening the spoon. Furthermore, it is possible that the prior bending and re-straightening of the spoon might have weakened the metal. To investigate these possibilities, the following experiment was conducted on an identical spoon to which a bolt was welded so that a torque wrench could be applied. After bending in half and then re-straightening the spoon, it was found that a torque of over 20 inch-pounds (2.26 newton-meters) was required to rotate the bowl of the spoon as described above. However, the maximum torque that could be exerted by this author (an adult man) using both hands was less than 4 inch-pounds (0.45 newton-meters). When this bare-hands torque was applied, the spoon bent a few degrees but then snapped back to its original conformation. In fact, nearly 20 inch-pounds could be exerted without permanently deforming the metal. These results strongly suggest that human intention is sometimes capable of permanently deforming steel without application of mechanical force or heat. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/sNhiu0ztdJI	Reliability of RNG Outputs during Movie-Viewing Field Experiments _ Takeshi Shimizu	<p>Reliability of RNG Outputs during Movie-Viewing Field Experiments Takeshi Shimizu*, Kitaro Yamamoto & Masato Ishikawa Meiji University, Japan It has been reported that random number generator (RNG) outputs during coherent events are influenced by field consciousness and that this is reflected in anomalous statistical biases. Despite this finding, little is known about their reliability. A generalization study (G study) would be expected to show the ability to measure micro-psychokinesis (micro-PK) during field RNG studies on the assumption that RNG outputs can sense field consciousness. To explore the issue, the current study calculated intraclass correlation (ICC), using data from our previously published studies that had been obtained during the screening, in theaters. Results found the Psyleron RNG produced relatively high ICCs during 1,024-second intervals of both K-ON! and Zang-e, whereas no positive ICCs were associated with the other RNGs. Additionally, higher ICCs seemed to be correlated with repeated viewings. Psyleron might have detected audience consciousness, as it relied on longer spans of outputs. This issue warrants further examination. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-01-14	https://youtu.be/O6GQ3wNbeBc	Measuring Global Consciousness_ Roger Nelson Ph.D.	<p>GCP Effects: Global Consciousness or Goal Orientation? [SSE] Roger D. Nelson Global Consciousness Project, Princeton NJ, USA, Email: rdnelson@princeton.edu Cumulative results of an experiment spanning 17 years and 500 events supports the proposal of global consciousness (GC), which can be envisioned as a field-like effect. But there is an alternate interpretation recently advocated by Peter Bancel (2014, 2016), namely that the GCP result is due to a goal-oriented (GO) effect similar to the DAT model of May, et al. (1995), which says precognized feedback from future experimental results can influence choices made in the experiment. Earlier, Bancel (2011) compared these models and concluded: "the GCP data reject the DAT model with moderately high confidence. [And] one can show that a similar procedure which tests the alternate hypothesis of a physical effect accepts that hypothesis as being consistent with the data." Bancel's new perspective assumes the XOR that conditions RNG data would also remove any effect of consciousness because that would require physically changing a bit from 0 to 1 or vice versa. This would demand virtually impossible microsecond synchronization of effects and XOR timing. In contrast DAT or GO requires no physical effect, only psi- enhanced decisions for event and analysis parameters that will produce future results aligned with experimenter goals. We expand the picture to include secondary analyses addressing questions that had not been asked in the experimental design, and were not considered in event selection. These show data structure which is incompatible with GO. 1. In addition to the primary correlation of RNG means across the network, there is a substantial second order correlation of the variances. 2. On average, it takes about half an hour for the cumulative deviation to peak, followed by an hour or two of steady state and then a decline. 3. Correlation strength decreases as the separation between RNG pairs increases, but only during small, relatively local events. 4. The effect size is a function of time-of-day. It is largest in the local afternoon, and smallest in the middle of the night. It depends on whether we are awake or asleep. 5. Post facto analysis shows the trial data are autocorrelated. This was not a "goal" of the experiment, but it is a natural expectation for a field-like model. 6. There is evidence for true negative outcomes in an estimated 17% of GCP events. This is not compatible with the GO model, being actively contrary to the experimenters' hypothesis and expectations. (Bancel and Nelson, 2008) Such indicators of structure fit the GC model naturally, but they require a tremendous stretch for GO. Postulating that everything one finds in the data is only there because of experimenter intention is tantamount to giving up on experimental design, and giving in to unfalsifiability. The data demand more generous models, which accommodate multiple sources of effects. Recorded at the Society for Scientific Exploration Conference (2016) Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/A2bq6L6QpmY	<p>Exceptional Experiences of Healers _ Margaret M. Moga</p>	<p>Exceptional Experiences of Healers: A Survey of Healing Touch Practitioners and Students Margaret M. Moga Exceptional and non-ordinary experiences, also termed anomalous experiences, have long been associated with healing, occurring in both healers and healees . Exceptional experiences of healers include unusual sensate phenom-ena, such as images, bodily feelings and sounds, as well as contact with nonphysical beings and other dimensions. In this pilot study, a cross-sectional design was used to determine the types and prevalence of sensory and extrasensory experiences among Healing Touch practitioners and students. Healing Touch (HT) is an energy healing, biofield therapy developed by holistic nurses. Data was obtained with an online survey using a new instrument, the Healer Experience Scale (HES). The HES contains both semi-quantitative, Likert scale (e.g., "have you seen... chakras/meridians" "never, a few times, sometimes, often") and qualitative (e.g., describe "unusual visual experiences") questions. The HES was administered to a convenience sample (n=183) of HT practitioners (n=110) and students (n=73). Pearson's product-moment correlation and student's t-test were used to test any significant associations/differences between item average scores and demographic characteristics. The major finding was that HT practitioners and students feel unusual tactile sensations more often than other sensations, such as visual or auditory, during healing sessions. Respondents "often" feel areas of heaviness or congestion, prickly sensations, and/or warmth or heat while touching the client or moving their hands through the client's biofield. Other tactile sensations included "electrical current" and static charge, "bubbles" and effervesce like a can of soda pop, "cool air leaks", pressing/pulling sensations, stickiness, and vibrations. The most common visual experience was of "light filling" the client's body or "light dissolving" something within the client's biofield. Other common visual experiences included seeing, "images related to the client's life" and "different colors". The most common auditory experience was a telepathic conversation with a "guide" or deceased relatives of the client. A great variety of unusual sounds were reported by the healers, including, "crackling energy sounds", humming and buzzing, music, singing, birds, bells/chimes, mumbling/whispers, and "tonal frequencies". Unusual smells and tastes during Healing Touch were reported as rare or infrequent. Unpleasant odors, such as "the smell of something rotten" or "stale", were noted when healers were clearing "very dense energies" from the client's biofield. Pleasant odors such as flower smells and perfumes were also reported. Healers "often" observe visible changes in their client indicating an energetic release, including facial changes, a change in the client's breathing pattern, and movement of the client's body (e.g., twitching/jerking). As preliminary validation of the HES, the responses of the two groups (students and practitioners) were similar (Pearson's coefficient = 0.9118), but the frequency of reported experiences was significantly lower among students as compared to practitioners. The prevalence of tactile experiences suggests that practitioners may possibly be responding to subtle physical stimuli caused by fields associated with the client's body. The HES may be useful in assessing the training and effectiveness of healers, but more importantly, studies of exceptional experiences of healers may lead to new insights into the putative energies and mechanisms involved in biofield therapies and other anomalous phenomena. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/2o5q1hcp3Xg	REG Project and the Web Model of Mind _ Herb Mertz	<p>This presentation describes a long-term research project to personally “access the exceptional and experience the extraordinary” using a random event generator (REG). The REG outputs a stream of random one and zero bits, and the goal is to use the mind to produce a skewed distribution of bits coming out of the device (e.g. more ones than zeros). The project was a single study design with me as both subject and experimenter. The objectives were 1) to succeed in affecting the output of the device using PK to a highly significant level, and in the process 2) begin to understand how the effect might work. While engaged in the REG process, which took over 10 years, I logged on the order of 10,000 hours of “training time” and I wrote over 2200 pages of notes cataloging experiences and mental states. The project focused on states of mind that were correlated with moments of greater REG output success, as well as those correlated with greater negative results. The data set included the four formal studies which taken together included over 5.5 million trials. The final Z-score of the combined studies was 4.86, or odds of 1.7 million to one of being chance. As in previous REG studies, however, this significance was achieved with many trials giving a small absolute percentage deviation from the chance expectation of 50%. The presentation will explain some of the experiences that involve very clear and distinct states of mind in relation to REG output. It puts forward a general model of consciousness, which accounts for “beginners luck” and the decline effect, as well as a theory-based analysis of why the process seems be easy at certain times and hard at others. An argument is put forward that in the future anomalies research should be focused on how the structure of the mind seeks to minimize direct outside influence rather than accentuate it. The mind creates a barrier or membrane of “meaning” to keep itself from diffusion into a collective space. The model proposed is nominally called the “associative web model of mind” and has elements of both Tononi’s Integrated Information Theory and Wheeler’s concept of meaning in the quantum measurement process. Herb Mertz Psyleron, Inc., Princeton, NJ, USA Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-13	https://youtu.be/bWTT4778IIQ	DMT and Entities_ Not Everyone Gets Machine Elves _ Jennifer A. Lyke	<p>Not Everyone Gets Machine Elves: The Nature of Discarnate Entities and Their Interactions with DMT Users Jennifer A. Lyke Stockton University, Galloway, NJ, USA</p> <p>Encounters with entities are one of the defining characteristics of the DMT “breakthrough” experience. Several authors have described general categories of entities that are frequently encountered under the influence of hallucinogens (e.g., Luke, 2011; Shanon, 2002) and Terence McKenna popularized the “self-transforming machine elves” as one of the hallmarks specifically associated with DMT (McKenna, 1982). However, to date there are few empirical investigations of the characteristics of DMT entities or their interactions with DMT users. Accordingly, this study investigated the frequency with which DMT users experience various categories of entities and the nature of the interactions users have with these entities during the drug experience. Content analysis was performed on 149 trip reports posted from 2006 through 2015 on Erowid.com by DMT users (90% male, average age 24.6) in order to characterize users’ descriptions of the entities as well as the nature of their interactions with them. Entities were defined as elements of the experience that appeared to the DMT user to possess independent awareness. Seventy-five percent of reports included a description of at least one form of entity and 37% described more than one entity. There were a total of 180 experiences of entities reported. The general categories of entities that emerged were poorly defined or formless beings (29%); humanoid beings (22%); divine beings (10%); aliens (8%), elves and fairies (7%); animals (6%); geometric objects or machines (6%); voices (4%); faces (4%); and miscellaneous entities that did not fit into the other categories (3%). The gender of the entities also emerged as an important characteristic as it was specifically mentioned in 24% of the descriptions of entities. Male participants were significantly more likely to report the gender of entities than were female participants, and entities whose gender was specified were significantly more likely to be female than male. The general nature of the participants’ interactions with the entities was also explored. The categories of interactions that emerged were showing/teaching/guidance (25%), no interaction (10%), hostility (10%), warmth or love (9%), welcome/excitement (9%), reassurance or encouragement (8%), neutrality or observation (7%), play or entertainment (4%), power or control (3%), sexuality (3%), unclear interactions (3%), questioning (3%), reminding (2%), and miscellaneous interactions that did not fit into the other categories (2%). To investigate whether there were any systematic relationships between entity categories and the nature of interactions, the five most common entity categories were evaluated in terms of their association with the five most common categories of interaction. No systematic relationship emerged for any category of entity. Similarly, there was no significant pattern of interaction category for entities that were specifically identified as female. These results indicate that the most commonly experienced, well-defined entities are humanoid and that the most frequent category of interaction involves showing, teaching, or guidance. However, there is no significant relationship between entity category and the nature of the interaction. The results will be compared to previous research on DMT entities, entities encountered using other psychedelic drugs, and entities experienced in alien abduction experiences, near death experiences, and mental mediumship. Limitations of the research design will be discussed along with psychological and psychophysiological interpretations of the results. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/vySCdsY30nU	Clinical Parapsychology at Manawanui _ Ingo Lambrecht	<p>Wairua: Clinical Parapsychology at Manawanui Ingo Lambrecht Consultant Clinical Psychologist at Manawanui, Māori Mental Health Service Auckland District Health Board New Zealand This presentation will consider clinical parapsychological approaches within indigenous health practices, be it amongst tohungas, shamans in New Zealand or amongst sangomas, shamans in South Africa. Clinical parapsychology will first be considered in regards to the author's clinical psychological work where "the paranormal is normal", namely at Manawanui, a Māori Mental Health Service in Auckland. The official health model of Manawanui is based on the sacred building called the Marae. The model is called in Māori Te Whare Tapa Wha, namely the house of wellbeing, which is represented by the four sides of tinana (body), whanau (family), hinengaro (mind), wairua (spirit). For wellbeing to be achieved, all four principles of this model for the client (tangata whai i te ora) needs to be addressed. After highlighting the importance of wairua in this indigenous mental health model, specific Mate Māori (specific Māori illnesses) recognized by tohungas will be discussed, such as matakite, makutu, mauri, etc. This will be related to a model of voice hearing when working with psychosis and ancestors (tupuna), as well as considering differential diagnosis of mental health and spiritual emergency. The author's own shamanic training as a sangoma in South Africa becomes relevant at this point. In regards to the tradition of becoming a sangoma, the ukuthwasa, the apprenticeship is often defined by complex relation between psi effects, altered states of consciousness, exceptional experiences, and mental health. A dialectical approach to the complex relationship between spirituality and mental health distress will be presented. Specific and integrative psychotherapeutic and shamanic clinical vignettes with clients will be outlined to highlight interventions such as mentalization in terms of paranoia and witchcraft, seeing the ancestors and emotional regulation, or determining the cultural trauma of exceptional experiences in regards to psychosis or voice hearing. Some psychoanalytic considerations will be considered in regards to wairua, or 'spiritual holding'. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/SBalmIWmmPs	Many Worlds Interpretation of Paranormal Phenomena _ Simeon Hein	<p>Many Worlds Interpretation, Wave Collapse, and Paranormal Phenomena: Towards Explaining the Unexplainable Simeon Hein Institute for Resonance, Boulder, CO, USA</p> <p>In the 1950's, Hugh Everett III developed a new interpretation of Quantum Mechanics, known as the Many Worlds view, that removed the external observer from any quantum description and instead is based on the idea of continuously branching realities that interact with a "universal wave function." This view is opposed to the observer-driven wave-function collapse suggested by Von Neumann which Everett accused of being too metaphysical and lacking any basis in quantum theory. The Copenhagen Interpretation, based on the dual-reality complementary paradigm of Bohr and Heisenberg, asserts that no quantum reality exists, only quantum measurement through classical apparatus. Measurement collapses the wave-function to the values observed by conscious observers. For Everett, the Copenhagen interpretation is too heavily based on classical physics: it was not a truly independent scientific theory nor an answer to the measurement problem of how quantum microscopic and macroscopic phenomena interact. Specifically, Copenhagen doesn't adequately answer the question of how classical phenomena arise from quantum processes. Why does the world appear a particular way to each unique observer who himself is also a quantum system that obeys the laws of the Schrodinger equation? Why doesn't the world look completely "smeared out" instead of definitive and exact? For Everett, quantum entanglement is happening continuously everywhere. It does not need any special treatment or observation by external observers. What appears to be collapse is, in fact, the subjective loss of information to the observer. Instead, our awareness multiplies with each successive observation creating a continuously, infinitely branching tree-like structure of observers in separate worlds which never interact. Though shunned by most physicists at the time, the Many Worlds viewpoint, as developed later by Bryce Seligman DeWitt and others, has become an increasingly popular view in recent decades as expounded by Deutsch, Tegmark, Carroll, and others. In this talk, I will look at the implications of the Many Worlds view for so-called "paranormal phenomena" such as clairvoyance and remote viewing, PK, ghosts, and UFOs and show why these phenomena could be seen as quite "ordinary" from a many-worlds perspective. Specifically, I will look at a new incarnation of the Many Worlds paradigm, the Many Interacting Worlds (MIW) idea as espoused by Wiseman and Deckert. MIW theory claims that classical forces in atomic structures create subtle repulsive interactions: what appear to be quantum wave functions are merely the resonant epiphenomenon of the classical interference patterns between parallel dimensions. Specifically, MIW claims that exactly 41 parallel realities could explain the wave function of a single photon and hence, the double-slit experiment. Critics contend that both MWI and MIW are unfalsifiable, yet perhaps the abundance of paranormal phenomena may illustrate that near- parallel realities do indeed exist and interact with our own. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/N_i7gd1uwAc	Activating Psi Dreaming _ Dale E. Graff	<p>Activating Psi Dreaming – Research Methods and Application Potential Dale E. Graff Psi-Seminars-Initiatives, Hamburg, PA USA What is psi dreaming? How can individuals experience psi dreams? How can psi dreaming be researched and evaluated scientifically? What can we do with psi dreaming? How can psi dreaming be understood relative to other forms of psi, such as remote viewing and some types of intuition? This workshop is an opportunity to discover the application potential of psi dreaming. Guidelines for performing psi dream research and strategies that facilitate psi dreaming are provided with methods for evaluating psi dreams from a scientific perspective. A variety of psi dream research results show evidence for the reality of psi dreaming. Independent psi dream investigations and validated spontaneous psi dreams illustrate the utility and limitations of psi dreaming. Potential concepts on how psi dreaming occurs and how psi dream imagery is constructed and interpreted will be explored. Exercises to assist in dream recall are practiced during the workshop. A psi dreaming experiment for a designated picture will be available during the conference with results reviewed during the Friday workshop. Recommendations on how to achieve a psi dream for the target picture will be provided during the first day of the conference on June 20. Facilitator: Dale E. Graff, M.S. Physics, has been conducting psi and psi dreaming workshops for the past 25 years at conferences and organizations, including the Rhine Research Center (RRC) in Durham, NC. He is an active member of the International Association for the Study of Dreams (IASD) and facilitator for IASD's psi dreaming events. He was a former Director of Stargate, the US Department of Defense Program for research and applications of remote viewing (RV), an aspect of extrasensory perception (ESP). Currently he pursues independent research in precognitive dreaming and explores connections with Associative Remote Viewing (ARV). Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/fDzDREe9iiv	<p>Making UFO Data Useful for Scientific Research _ Ross A. Davis</p>	<p>Making UFO Data Useful for Scientific Research Ross A. Davis Center for Information and Communication Sciences Ball State University, Muncie, IN, USA Unidentified flying objects (UFOs) have been of considerable interest throughout the world for over half a century, especially with the prospect that UFOs defying worldly explanation would most likely be associated with highly advanced extraterrestrials (ETs), which, if confirmed, would undoubtedly have major implications on society. Yet, in order to confirm or deny this ET hypothesis, or a non-ET hypothesis involving a highly strange physical phenomenon, UFO data needs to be useful for scientific research. The usefulness of such data has been criticized by some scientists, such as Jacques Vallee, PhD, who has done prominent work on unidentified aerial phenomena and computer science. And this relates to the increasing prominence of "big data," since various UFO databases exhibit the key characteristics of big data: high volume, variety, and velocity. The main purpose of this paper is to help make UFO data useful for scientific research through an approach that considers a layered data model by Jacques Vallee and Eric Davis in studying anomalous phenomenon, in conjunction with networked storage and analytical processes associated with big data. A background on UFO data is provided beforehand to foster an introductory understanding of the matter, along with cases of existing UFO data and its limitations. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/g4d_ynJyrOs	An Academic in UFOland_ The Search for the Mysterious Dr. Morin _ Joseph Buchman	<p>An Academic in UFOland: The Search for the Mysterious Dr. Morin and other facts, fictions, fabrications, and fantasies found during a two-year long critical contextual analysis of, and attempt to provide citations to and references for, 30 hours of testimony given under oath to six former Members of the United States Congress during the five-day 2013 Washington DC-based Citizen Hearing on Disclosure. In late April and early May 2013 five former United States Representatives and one former United States Senator, heard the testimony of 43 witnesses from ten different nations regarding human contact with apparent non-human created, extraterrestrial technology. Witnesses included officials from the Federal Aviation Administration, a former Canadian Minister of Defence, pilots, military radar operators, Roswell's Dr. Edgar Mitchell, Dr. Jesse Marcel, MD, Jesse Marcel III, Denice Marcel, Don Schmitt, Stan Friedman, Kevin Randle, and various other researchers. Approximately 250,000 words of testimony were recorded. Following the production of a verbatim "Congressional-Record-like" transcript of the Hearing, each statement of fact presented by each witness was either verified with citation to an original source and/or an annotated explication of the attempts to verify the fact was created. Testimony was subjected to verifying analysis, including corrections of understandable misstatements of fact, as well as citations to sources which either corroborate evidence presented and/or explicate apparent fraudulent, fabricated or otherwise unverifiable statements provided witnesses whose testimony, given under oath, is then of questionable credibility. Dr. Buchman's presentation will provide video highlights from the Hearing, a critical analysis of the relative veracity of select portions of the testimony given and the inside story of how the Hearings came to be. "The person who was chiefly responsible for this Citizen Hearing Committee coming together, which I can assure you in my wildest dreams I did not think possible . . . was Dr. Joseph Buchman." --- Stephen Bassett, Executive Director, Paradigm Research Group, Washington DC. 3 May 2013. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/oS1NpcHoGQ0	Applying Machine Learning to Psi Research _ Mark Boccuzzi	<p>Applying Machine Learning to Psi Research: An Example of Using a Deep Machine Learning Image Classifier to Analyze Seemingly Random Visualized FieldREG Data Collected during Sessions with Meditators Mark Boccuzzi</p> <p>Windbridge Institute With the advent of Big Data (data sets so large or complex that they render traditional information technology tools and techniques ineffective), data analysts have turned to Artificial Intelligence and machine learning in order to find meaning in and make predictions from data. Machine learning algorithms iteratively learn from data, allowing computers to find connections in data without the need for them to be explicitly programmed. The past few years have brought major advancements to the field of machine learning, including new developments in deep learning (the implementation of complex, multilayered neural networks) and advanced applications such as natural language processing, computer vision, medical diagnosis, user preferences, and image recognition and feature extraction. In addition, many of the companies and universities that are driving this development effort have started to release their machine learning tools as either low cost or open source software. Google, Inc.'s TensorFlow, IBM's Watson, and Microsoft's Computational Network Toolkit along with a wide range of powerful APIs (application program interfaces) now make machine learning highly accessible. With these new tools come new potential methods for examining psi-related data sets. In a recent exploratory study, machine vision recognition software was used to classify and extract details from a set of images that were created from random event generator (REG) data that were collected from 10 sessions in which meditators focused on feelings of "Love" (five sessions) and "Hate" (five sessions). The data, collected using FieldREG software (Psyleron, Inc.), were then processed through Windbridge Institute custom visualization software that converted them into complex 3D images. Traditionally, FieldREG data are analyzed by looking for deviations from randomness; however, the current exploratory study employed image concept recognition software (Clarifai, Inc.) to classify the images based on their visual attributes. While there was considerable overlap in the resulting classifications, the software successfully grouped four of the five "Hate" images together with a unique descriptor not found in any of the other images, nor previously considered by the investigator. What is notable here is that the software made this test possible with just a few hours of investigator time in contrast to previous image classification approaches which would have required a specifically defined classification scale and a large number of research participants. The results of this exploratory study demonstrate the potential value in the application of machine learning to visual data sets both in terms of time/cost efficiency but also in potential hypothesis generation. As machine learning systems can quickly find connections in data that humans cannot, applying them to psi datasets may produce new, testable hypotheses which could profoundly move the field forward. Recorded at the Society for Scientific Exploration Conference in Boulder, Colorado 2016. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-13	https://youtu.be/wCObvHKRIIU	French UFO Abductions_ Far Too Few_ _ Ron Westrum	<p>French UFO Abductions: Far Too Few? Ron Westrum Department of Sociology Eastern Michigan University A crucial test for the reality of UFO Abductions is that one would expect that there would be a relatively even distribution across the inhabited world. In other words, if abductions represent real events, they should not favor any particular human-inhabited geographical area. In this regard, France could pose a crucial test, since it has lots of ufologists but (apparently) not many abductions. A recent talk presented in July 2014 at a CNRS conference reflected on this scarcity. By contrast, some American researchers believe that abductions are not rare in the USA, and may be as frequent as one in fifty persons (or even more common). Are Americans simply more suggestible? The number of recognized abductions that one would expect, however, depends critically on the model of reporting that one chooses. The usual model is a "percolation" one. In the percolation model, the known "hidden events" are simply a constant fraction of the total [real] hidden events, and they percolate upward into social consciousness at a constant rate. In reality a constant rate is extremely unlikely. The rate of reporting, the rate of transmission of reports, and the rate of publication of transmitted reports are all variable parameters. They dynamically respond to the "demand conditions" operating at various levels in society. For instance, in reporting of the "battered child syndrome" percolation previous to the controversy transmitted merely hundreds of reports to police and hospitals. After social awareness was aroused, and channels for reporting were created, the numbers of battered children appeared to be in the hundreds of thousands. Similar remarks could be made about the ostensible number Catholic priests sexually abusing children in the USA, and how it depended on changing media attention, thus altering reporting and publication parameters. Therefore, a second "interactive" model needs to be invoked. In the case of the USA, several authors wrote abduction books and carried out extensive radio and television interviews. These books and interviews led ostensible "abductees" to contact and write letters to the authors, which were used in turn as ammunition to swell the database, made the phenomenon seem more real, and in turn more "reportable." As far as I can tell, however, nothing similar happened in France. There were no local abduction experts who wrote books, few American experts appeared on French media, and therefore there has been little encouragement for reporting by potential French abductees. This in spite of Jacobs' book (and others) being translated into French. So the "demand conditions" for abduction reporting do not exist in France. The only way this question can be resolved is by direct inquiry (e.g. surveys) in France itself. Prof. Ron Westrum [B.A. Harvard (honors) 1966 (Social Relations); Ph.D. University Chicago 1972 (Sociology)] is emeritus Professor of Sociology, Eastern Michigan University, where he has taught for 42 years, in addition to visiting positions at the Universities of Edinburgh, Hawaii, and Stavanger (Norway). He is a specialist in the sociology of complex organizations, creativity, and system safety, and has often participated in national and international symposia on such. He has consulted on organizational creativity and organizational dynamics for many large organizations, such as Lockheed Space Systems, General Motors, and the RAND corporation. He was a founding member of the Society for Scientific Exploration, and former sociological consultant for the Mutual UFO Network. He is best known for his classification of corporate cultures into pathological, bureaucratic, and generative. He has three books, and numerous articles in the fields indicated. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/12Ow6MOnExc	Brain Flash_ Peak Neural Activity Following the Moment of Death _ James Clement van Pelt	<p>Brain Flash: Implications of the Peak Neural Activity Preceding the Moment of Death</p> <p>James Clement van Pelt The mystery of death seems beyond our ken. Einstein called it “a black box, and you can’t get in.” But stunning and unexpected findings of recent neurological research conducted at the University of Michigan, combined with modest inferences drawn from logic and our own incorrigible personal experience, suggest new perspectives on the process of death — in particular, whether experience persists beyond the time at which neural activity ceases irrevocably. NDE (near-death experience) research is primarily anecdotal and first-person, relying on the testimony of those who have narrowly escaped death, but this is third-person research involving multiple species and objective measurement using EEG (and EKG) measurements. The findings document the extent of neural activity during the instant just prior to brain death, when the brain undergoes what can be called the “brain flash” — a highly coherent, highly comprehensive, highly transitory state at the theta wavelength, peaking into the gamma, the function of which is presently unknown. This presentation offers a hypothesis about what may be happening when each of us undergoes the “brain flash”, and explores whether this phenomenon, common to mice, humans, and presumably everyone in between, may be the tip of an iceberg pointing toward experience beyond the death of the physical brain. How, for example, is this penultimate function passed on in the process of biological evolution, given that by definition there is no opportunity to reproduce before brain death? Is there a dimension of evolution that parallels Darwinian dynamics involving the non-physical components of consciousness? How can such questions be answered without resorting to sheer speculation? James Clement van Pelt is the co-founder of Yale University’s Initiative in Religion, Science & Technology, whose programming he coordinated until 2012. He has co-lead science, religion and international relations seminars at Yale and has produced five international conferences there in related fields, featuring leading scholars in the Euro-American sphere. He has authored, co-authored, and contributed to academic journals and books, including <i>EdgeScience: Different Cultures, One World</i> (Rozenberg Publishers, University of Amsterdam); and <i>Venceremos</i> (Simon & Schuster). His academic interests center on the anthropology of consciousness, theologies of technology, and social revolution theory, with special interest in the metaphysics of experience and the teleology of technology. He holds the Master of Arts in Religion (M.A.R.), magna cum laude, from the Yale Divinity School, where served as a Research Fellow from 2003 to 2005 and as a co-instructor/lecturer from 2005 to 2008. He also holds the B.A. in Religion from Duke University and has studied philosophy at Florida State University and Christianity and Culture at both St. Andrews Presbyterian College and the Yokefellows Institute at Earlham College. Since 2004 he has been a member of the American Academy of Religion, the American Anthropological Association, the American Philosophical Association, the Polanyi Society, the Society for the Anthropology of Consciousness, the Society for the Consciousness Studies, and the Center for Independent Study, and has made peer-reviewed academic presentations at their national and regional conferences. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/QlimzGTRt-I	UFO Sightings in America - The Problem They Pose _ Rob Swiatek	<p>The Problem They Pose: UFO Sightings in America Rob Swiatek Unexplained UFO sightings have persisted since World War II, constituting a problem for science. My talk will be a two-pronged overview of (1) several ongoing efforts to study UFOs scientifically by collecting high-quality instrumented data or by teasing quantitative data from the sighting reports themselves and (2) the extent of the UFO phenomenon in America today as reflected by incoming sighting reports to the Mutual UFO Network and the National UFO Reporting Center. In the first instance, I'll briefly discuss two nascent projects to track UFOs to acquire photographic and technical information; in the second, I'll review some interesting recent UFO sightings. Rob Swiatek double-majored in physics and earth science as an undergraduate. He has been employed with the US Patent and Trademark Office for over 30 years — the last decade-and-a-half in the area of aeronautics and astronautics. His involvement with the UFO subject stems to 1968, when published accounts of sightings and news reports about the University of Colorado's UFO study ensnared him. Rob serves on the board of the Mutual UFO Network and the executive committee of the Fund for UFO Research Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/ix2Yha2oRPg	The Bureaucratic Mind and Your Health _ Kenneth Smith	<p>The Bureaucratic Mind and Your Health Kenneth Smith The bureaucratic mind is characterized by rigid, categorical thinking and behavior. It can also be reflective of accepted norms. The status quo is formed and promulgated by healthcare, educational, and other institutions. Amidst this, science has become a guiding influence in the formation of prefabricated reality. In practical terms, what matters to most people is the maintenance of this mindset as it provides meaning and a sense of belonging. On the good side, this mindset gives us advances in healthcare, corporations able to provide trustworthy products no matter where you are in the world, models of education that serve to elevate one and all, and the protocols of science that usher us to new learning. We also find, however, that practices of healthcare lead to injury, corporate life shuns the individual, standardized education dampens innovative thinking, and what is considered to be not scientific is cast aside with prejudice. Even with these few examples, we're looking at a dynamic that speaks directly to how humans organize their perception of reality, and live their lives. For this presentation, the placebo effect serves to illustrate the interplay of the bureaucratic mind in healthcare and science. And the connecting link for all aspects of bureaucratic-related behavior is education, the how and what of learning. Even those who see themselves as being not of the crowd may be unwittingly part of consensus reality. The next understanding of life beyond the bureaucratic mind may not be relief from its influence, but living a more complex level of the same. The first step in managing the inescapable bureaucratic mind is awareness that it exists and how it influences all spheres of life. Kenneth Smith serves as the executive director of The Institute for Therapeutic Discovery (www.tiftd.org), a non-profit organization focused on bridging biochemistry and biophysics, and as the communications director of Beech Tree Labs, Inc. (www.beechtreelabs.com), a discovery and early-stage-development biopharmaceutical company. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-13	https://youtu.be/DF2ARlwHHM4	Alien Abduction Syndrome_ A Critical Analysis _ S. Peter Resta	<p>Alien Abduction Syndrome: A Critical Analysis S. Peter Resta So-called alien abduction syndrome (AAS) has been studied by a variety of academic scholars, including from Harvard University (e.g., Susan Clancy, Ph.D., and the late John Mack, M.D.). Similarly, it has been discussed in several scholarly publications (including in a book published by the APA), and the focus of empirical research which has been presented in such journals as the Journal of Abnormal Psychology. AAS has been linked with a host of possible explanatory factors, including sleep paralysis, fantasy prone personality, dissociative reactions, and false memory syndrome (to name a few). The precise mechanism(s) which satisfactorily and conclusively explain AAS are elusive, however, and often equivocal or speculative. This presentation will examine some of the explanations which have been proffered for AAS, with particular attention paid to the role that hysteria may be playing with the phenomenon. The possibility of veridicality will also be incorporated in the presentation. S. Peter Resta, Ph.D., is an Adjunct Assistant Professor (Psychology) and Clinical Instructor (Clinical Social Work) at the University of Maryland. Dr. Resta possesses a wealth of clinical experience, and has a small private (therapy) practice in Maryland. Among college/university courses taught is one which he personally devised: SOCIAL PSYCHOLOGY & BELIEF IN THE PARANORMAL (a junior/senior-level, 3-credit, psychology course, which critically evaluates various "paranormal" subjects). He has performed research and clinical work with individuals labeled as "alien abductees." Resta holds two Master's degrees (clinical psychology & clinical social work), and a Ph.D. in human development. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/vhKLVBGtnHs	Group and Mass Consciousness at Work _ Roger Nelson	<p>Effects of Interconnection: Group and Mass Consciousness at Work Roger Nelson Global Consciousness Project Princeton, New Jersey In the early 1990s the PEAR lab developed random event generator (REG) technology to record data outside the lab in field studies of groups. Departures from expectation were found, and they were linked with situations characterized by group resonance or coherence. Data collected during deeply engaging rituals, concerts, and creative activities showed deviations, while data collected in mundane or chaotic situations did not. These field experiments raised more questions. What if we used multiple REGs, and what if they were widely separated? The newly coalescing Internet created the means to build a globe-spanning network of REGs, while instantaneous news ensured synchronous reactions to major events. We could ask whether mass consciousness might be reflected in correlated REG behavior. Would shared emotional responses to a devastating earthquake produce effects? Or the world shaking 9/11 terrorist attacks? What about the passions of a billion World Cup fans? Could the shared joy of great celebrations evoke changes in the random behavior of our instruments? All these questions and more became the subject of the Global Consciousness Project, which is now nearly old enough to vote at 17 years and counting. We have accumulated a seven-sigma deviation in answer to our basic question: Is there structure in random data during periods of shared attention to global events? The odds against chance are trillions to one, but beyond that, secondary analysis shows further structure. The findings suggest deep unconscious connections among humans that may be the source of correlations we find in otherwise random data. There are competing explanations for our anomalous results, but it is notable that an interconnected humanity is consonant with both ancient and modern ideas of unity and oneness. These subtle indications of mind-to-mind connections bear a profound and timely message. Without effort we come together and we become one during a great tragedy or celebration, and in so doing we change the physical world. What might we accomplish if we deliberately interconnect and work to become an effective global consciousness? Roger Nelson is the founder and director of the Global Consciousness Project, an international collaboration of scientists, artists, and others interested in the extraordinary aspects of human consciousness. He coordinated research in the Princeton Engineering Anomalies Research (PEAR) laboratory at Princeton University for more than 20 years. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/JzZqf2N0PyI	Healing, Biophotons, and PK at the Rhine Research Center _ John G. Kruth	<p>The Rhine Research Center has been known for decades for laboratory research on ESP. In the past few years, the Rhine has been fostering a community of energy healers, examining the effects of biophotons, and studying some special PK practitioners. Is healing the result of biophotons? Are healers able to demonstrate PK? How are healing, PK, and biophotons related? There are many ideas and theories about healing and PK, and the Rhine lab is examining these relationships using controlled studies. The Executive Director of the Rhine, John G. Kruth, discusses the current research projects at the Rhine and talk about the relationship between healing, PK, and biophotons. John G. Kruth is the Executive Director of the Rhine Research Center and the Education Director and Founder of the Rhine Education Center. He has studied parapsychology and psi informally for over 35 years, and has been a member of the Rhine Research Team since 2009. His research interests include methods of healing, intentional and unintentional PK, the effects of psi on the body and the environment, and the use of qualitative analysis methods to better understand the experience of people who have psi experiences. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/N9MS-jL8bPc	Extension of Modern Science to Enable Research on Anomalies _ William H. Kautz	<p>Extension of Modern Science to Enable Research on Anomalies William H. Kautz</p> <p>The primary contemporary challenge to research on anomalistic phenomena arises from the now well-confirmed presence of the human mind in an increasing number of laboratory experiments and natural observations — in direct contradiction with materialistic science’s inability to either account for or explain them. These limitations arise mainly from the root metaphysical assumptions that govern all scientific exploration of the natural world, for they disallow subjective or non-reductionistic participation, among others. If science is ever to embrace and explain these and similar contradictions, it must somehow be extended to allow new ways of exploring, verifying, and explaining how human consciousness interacts with natural phenomena, yet without losing its essential features of open inquiry, critical assessment, and public validation. SSE’s membership, representing today’s leading-edge research, has the opportunity to lead this effort. One possible extension is to employ the mind deliberately to generate new information. This very common practice is ordinarily too unreliable as scientific methodology. It should now be reconsidered for enhancing the discovery stage of scientific inquiry, before verification is undertaken. Recognized mental means for obtaining unique information — clairvoyance, mediumship, divination, dreams, etc. — are manifestations of intuition (Greek nous), meaning innate access to knowledge apart from the senses, rational thought, and ordinary memory. That this capacity exists in humans can no longer be questioned, though it is seldom accurate and trustworthy. When so-called expert intuitives, who have trained themselves to be responsible sources, are interviewed under a controlled, multi-intuitive, and consensual protocol, however, they can provide substantial information subsequently verifiable as accurate, detailed, new, and almost error-free. Hundreds of examples in a dozen different disciplines demonstrate that this “other way of knowing” is ready for immediate practical application to the solution of scientific problems. This methodology and several illustrative examples are described. William H. Kautz, Sc.D., was formerly Staff Scientist at SRI International, working in the emerging field of computer science and in geophysics and the social sciences. He later founded and directed the Center for Applied Intuition, which carried out research, training, consulting, counseling, and public education on intuition and its applications. He is widely published. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/8RHrbISB3VI	Frontier Science and Negative Findings _ John A. Ives	<p>Frontier Science and Negative Findings: What Should We Do about These? John A. Ives Samueli Institute Dr. Ives presents original research from his and collaborators' laboratories on the frontiers of science. His talk presents both positive and negative findings and focus on the studies that were unable to confirm claims for positive effects. There is presentation and discussion of methodological approaches that he and the Samueli Institute have found effective for conducting studies at the frontiers of science, especially research into controversial areas. Both published and unpublished data are presented and the issues and significant hurdles to publishing negative studies discussed. The main goal of this talk is to start a dialogue around these issues and how to rationally and dispassionately conduct research into controversial areas of science. Dr. Ives is Senior Director of the Center for Brain, Mind, and Healing (BMH) at the Samueli Institute, Alexandria, VA. Research efforts under his direction include the use of dietary supplements for the treatment of leukodystrophies and traumatic brain injury, and a vigorous research program into the underlying mechanisms of homeopathy, its anti-viral and anti-cancer effects, and the modification of the immunological response in general. Along with senior members of his team Dr. Ives is leading an Institute effort in systems biology. Other projects under his direction include laboratory research into human bioenergy and the measurement of biophotons for determining health status. He has spoken on these topics at scientific meetings as well as written book chapters and numerous research papers on these and related topics. As Senior Director of BMH he oversees Samueli Staff, Fellows, and researchers throughout the world who are conducting scholarly and scientific efforts on the impact and role of consciousness, spirituality, mind-body practices, and placebo on the healing process. John received his Ph.D. in Biology from Georgetown University where he went on to hold a position as Associate Research Professor. Under an Intergovernmental Personnel Act award, John established and managed the Biophysics Laboratory at the Naval Medical Research Institute (NMRI) in Bethesda, Maryland, from 1986–1989. While at NMRI, John studied the electrophysiology of rat pineal gland and cellular mechanisms underlying biorhythm regulation. He also has published work on the neuroimmunological regulation of human immune cells. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/XCNbl7U02Fk	<p>Physiological Correlates of Psi Phenomena Pilot Study of EEG and PK _ W.J. Ross Dunseath</p>	<p>One area of study at the Westphal Neuroimaging Lab is the acquisition of physiological data corresponding to psi events. Despite the fact that psi itself does not appear to be a brain process, or explainable in classical-physics terms, there is every reason to suppose that its expressions depend upon conditions in the body and especially in the brain. It is known, for example, that spontaneous psi experiences occur disproportionately in dreams and hypnagogic or twilight-zone states, and in various other altered states of consciousness (Kelly & Locke, 1981). We hypothesize that neuroimaging studies of performance in controlled psi tasks by subjects preselected for ability to succeed at those tasks or to enter the relevant states will reveal more detailed correlations of this sort. Data collection for a pilot study pairing high density (32–128 channels) EEG with electronic PK sensors especially adapted for use in physiological studies was recently completed and data analysis is underway. Although one type of sensor was the main focus of the study, data was gathered from several other sensors as well, including a 3-axis magnetometer, Geiger Counter, force detector, temperature sensor, RNG, and an array of resistors. The study used a computer-controlled protocol of timed trials paced by audio commands, with audio feedback on the state of the target sensor provided at the end of each PK trial. Sixty-eight experiments with human participants were run, with a total of seven significant outcomes. Five of these had p-values less than 0.025, yielding $p = 0.029$ overall for the series. In contrast, no significant outcomes were observed in twenty-five experiments run without human participants. Preliminary results in EEG show differences between PK and rest conditions in EEG power spectra, but most of the analysis remains to be done at the time of this writing. W.J. Ross Dunseath, Ph.D., is Co-director with Edward Kelly of the Westphal Neuroimaging Laboratory, under the auspices of Cedar Creek Institute and the Division of Perceptual Studies at the University of Virginia. He has long collaborated with Edward Kelly in both psi and neurophysiology research, including the use of high-resolution EEG and fMRI techniques to investigate adaptation of human somatosensory cortex to natural tactile stimuli. A by-product of that collaboration was his development of the world's first truly fMRI-compatible EEG system. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-01-21	https://youtu.be/6HHIzcpsoXc	Does "Anomalous Healing" Need the Healer_ _ William F. Bengston	<p>Can "Anomalous Healing" Be Captured and Reproduced Without the Healer? William F. Bengston In numerous mice experiments with both mammary adenocarcinoma and methylcholanthrene-induced sarcoma, inexperienced volunteer healers were successful in producing full-lifespan cures in these otherwise fatal cancer models. Results indicate that: once cured, mice apparently are not affected by further re-injections of the cancer; transplantation of cells from remitting tumors will cure fully infected mice without further healing intervention; a "treated" cancer line no longer will seed forward; there are apparent anomalous geomagnetic and REG readings which occur in the lab rooms only while the mice have cancer. Further results indicate that these effects seem to be independent of distance. And, mice in an experiment apparently can become "entangled" or "resonantly bonded," so that a treatment to one cage apparently affects all cages in the experiment. On one hand there appear to be both biological and physical data that might be used to reproduce the healing without the healer. On the other hand, the methodological complications that arise with apparent resonant bonding severely complicate any firm conclusion that "healing intent" has been isolated from that effect. Bill Bengston is President of the Society for Scientific Exploration. His research has produced the first successful full-lifespan cures of transplanted mammary cancer and methylcholanthrene-induced sarcomas in experimental mice by "energy healing" techniques that he helped to develop. He also has investigated assorted correlates to healing such as geomagnetic micropulsations and both EEG and fMRI harmonics and entrainment. Recorded at the 34th annual SSE Conference, May 28-30, 2015 at the Hilton Washington DC. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/_LNUGQrkHIO	Hematological & Psychophysiological Correlates of Anomalous Reception in Mediums _ Julie Beischel	<p>Assessing Hematological and Psychophysiological Correlates of Anomalous Information Reception in Mediums Julie Beischel Mediumship research at the Windbridge Institute includes a three-tiered approach to investigations of secular, American mediums. The Information, Operation, and Application research programs examine (i) the accuracy of the information mediums report; (ii) the mediums' phenomenology, physiology, and psychology, and (iii) the potential social applications of mediumship readings, respectively. Studying mediums' physiology as part of the Operation research program may help in predicting, preventing, and/or managing medical issues in mediums. An informal survey of the current team of Windbridge Certified Research Mediums (WCRMs) regarding their health issues demonstrated that chronic medical problems may be a serious concern for this population. For example, this sample has seven times the incidence of autoimmune disorders compared to the incidence in the general US population. Their incidence of diabetes is nearly twice the national prevalence. And the incidence of migraines in female WCRMs is nearly two and a half times the prevalence in women in the US. The current study aimed to systematically investigate the biological components of anomalous information reception (AIR; the reporting of accurate and specific information about the deceased in the absence of prior knowledge, feedback, or deceptive means) in this population of mediums by examining general physiological measures and 33 hematological elements during mediumship readings and a control task. Data collected to date do not demonstrate any significant changes in these measures when pre- and post-condition comparisons were made for the counter-balanced sessions. These preliminary results imply that the mediumship process itself may not be responsible for the increased health issues in this population. An alternative model addressing the relationships among childhood trauma, dissociation, and physical illness is proposed. Julie Beischel, Ph.D., received her doctorate in Pharmacology and Toxicology with a minor in Microbiology and Immunology from the University of Arizona in 2003. She is the co-founder and Director of Research at the Windbridge Institute for Applied Research in Human Potential and Adjunct Faculty in the School of Psychology and Interdisciplinary Inquiry at Saybrook University. She serves on the scientific advisory boards of the Rhine Research Center and the Forever Family Foundation. Dr. Beischel's research interests include examinations of the accuracy and specificity of the information secular, American mediums report as well as their experiences, psychology, and physiology and the potential social applications of mediumship readings. She is the author of "Among Mediums: A Scientist's Quest for Answers" and "Meaningful Messages: Making the Most of Your Mediumship Reading" and is editor of the "From the Mouths of Mediums" series. Recorded at the 34th annual SSE Conference in 2015 at the Hilton Washington DC/Rockville hotel. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/X4oNvOAFx4E	Consciousness Research from the 1st, 2nd and 3rd Person Perspective _ Luis Minero	<p>Consciousness Research from the 1st, 2nd and 3rd Person Perspective Luis Minero IAC - International Academy of Consciousness This work presents the case for studying consciousness beyond the conventional 3rd person perspective, used mainly in current conventional materialistic approaches. Upon studying thousands of cases of paranormal phenomena across the world and throughout centuries, such as out-of-body experiences (OBEs), remote viewing, near-death experiences (NDEs) and others, it becomes imperative to design and incorporate new research methods to study such occurrences. Thus, this work introduces the consciential paradigm, and the methodology of researching consciousness also through subjective experiences (the development of ones own skills for producing paranormal events), or 1st person research; and the interpersonal experiences (measuring and developing in other individuals their own abilities to promote such anomalous events). The universality of several paranormal phenomena will be presented, including the broad range of cultures, countries, religions and schools of thought which have reported these phenomena and developed methods for their production. Phenomena, in which, individual consciousnesses have a manifestation outside the current boundaries of their physical body. Just like microbes could not be directly observed before the invention of the microscope, there is currently no physical technology to detect what appear to be a non-physical consciousness. Therefore, a new paradigm, called the consciential paradigm, for the study and understanding of these events is needed. In this work, several types of current 1st person research methodologies will be presented, where individuals develop their own skills and become both the subject and the researcher of the phenomena produced. As the number of cases from different individuals accumulates, consensus and refutation among these researchers allows for more solid conclusions and cross-verifications. Likewise, techniques for the production of paranormal phenomena can also be taught to other individuals, and their progress can be tracked by senior researchers. Helping in the consensus and the refinement of the methods. Furthermore, this work will also present new and 3rd person research initiatives with more classic instruments and methods, including studies using fMRI and double-blind experiments. These 3rd person experiments have already yielded positive and promising results which support the 1st and 2nd perspective research. These 3-pronged approach (subjective, intersubjective, and objective) towards the study of consciousness aims to further the understanding of Reality, without limiting it unnecessarily to only the 3rd person perspective. Bio: Luis Minero graduated in Chemistry with honors and the author of the book "Demystifying the Out-of-Body Experience". He has lectured across Europe, Australia, North and South America on consciousness and OBEs, has had countless OBEs in his lifetime starting since his early teens (1st person), has helped thousands of individuals to develop their paranormal skills (2nd person), and has participated and helped to design several double-blind research activities (3rd person) on this subjects. Minero has been an IAC researcher and instructor since 1995, and is currently the Executive Director of the IAC California center and the Education Director of IAC globally. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/xwgRzNcj3nQ	The Felix Experimental Group _ Stephan Braude	<p>Investigation of the Felix Experimental Group: A Status Report Stephen E. Braude Emeritus Professor of Philosophy University of Maryland Baltimore County Editor-in-Chief, Journal of Scientific Exploration This talk summarizes and reports the latest developments of my investigation of the Felix Experimental Group (FEG) and its exhibitions of classical physical mediumship. It's been nearly a century since investigators have had the opportunity to carefully study standard spiritistic phenomena, including the extruding of ectoplasm, and the FEG is the only current physical mediumistic circle permitting any serious controls. At last year's SSE conference I reported the progressively stringent séances I supervised with the FEG, culminating in some very careful experiments with video documentation in a secure and private location in Austria belonging to one of the investigators. These latter séances yielded videos of a full table levitation, and also the medium apparently extruding a large quantity of ectoplasm from his mouth, which then accumulated in an apparently animated heap on the floor in front of him. The ectoplasm was produced despite numerous controls, including a careful strip search of the medium, examination of the medium's clothes, and inspection of the cabinet in which he sat. Recently, evidence has surfaced from séances other than those I've conducted suggesting strongly that the FEG medium, Kai Muegge, may have resorted to fraud on several of those occasions. Although this has clearly tarnished the case as a whole, it remains unclear whether (or to what extent) the hypothesis of fraud can be deployed successfully with respect to all the FEG phenomena, and my investigations in particular. Thus, it remains unclear whether Kai's mediumship deserves being classified charitably as a case of "mixed" mediumship (combining both fraudulent and genuine phenomena). By contrast, in several other, well-known, cases of mixed mediumship—for example that of Eusapia Palladino, some phenomena seem quite clearly to be genuine. However, that conclusion is warranted because Palladino (and others) produced phenomena under much more stringent controls than Kai Muegge has so far allowed. In this talk I'll summarize the arguments both for and against the paranormality of the FEG phenomena generally, and I'll discuss what steps Kai must take to dispel the cloud of suspicion currently hanging over all his phenomena. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/QjyMw7fZUiE	Relational Collapse in Quantum Mechanics _ Sky Nelson	<p>Demonstrating the Necessity of Relational Collapse in Viable Interpretations of Quantum Mechanics Sky Nelson, PhD Independent Researcher in Physics Wikipedia lists fourteen different “interpretations” of quantum mechanics, all based upon (mostly) the same mathematical axioms. A major unresolved problem in physics is to provide a rigorous reason for choosing one interpretation over the others. This paper shows that any quantum theory which is to be compatible with the basic postulates of special relativity must contain relational collapse of the wavefunction. This effectively rules out about half of the available options, including, notably, the Von Neumann and Copenhagen Interpretations. Quantum theory limits what we are allowed to say about the “true” state of a quantum system if that system is unobserved. But special relativity relies fundamentally on a universal assumption about what a light particle is doing at ALL times (namely, traveling at speed c relative to any inertial observer, regardless of being observed). This fundamental conceptual gap between the theories is the starting point of the proof. In resolving this impasse we show that the existence of light (and hence space and time) is not continuous. Since time dilation and length contraction become infinite for a photon, light can have no temporal or spatial interactions ($\Delta t' = 0$, $\Delta x' = 0$). To describe an interaction, the principle of simultaneity can be applied between an inertial observer and a light particle. Although light would register no separation between events, the Lorentz transform implies that the inertial observer measures a separation between those same events of exactly $\Delta t = \Delta L/c$, a light-like separation. In other words, although light has no passage of time or space itself, light will always be measured by an observer at a position and time exactly as if it had travelled at speed c continuously through the medium. This fits nicely within the limitations set above by quantum mechanics, and leads to the necessary conclusion of relative states. The author’s preferred interpretations of relational quantum mechanics and consistent histories quantum mechanics will be discussed. It will be pointed out that the relative state interpretation that is proven here is far more friendly to the possible existence of consciousness than its competing interpretations. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/au6RBsGye_Q	<p>New Perspectives on the PseudoREG Feasibility and Implications _ Brennan Kersgaard</p>	<p>Young Investigators Prize Submission The present study seeks to reach a more in-depth understanding of pseudoREG operation with an emphasis on feasibility, an elucidation of the relevant psychological parameters, as well as the role of run length on effect size. Many important philosophical, technical and theoretical questions are raised by the present study. Of central importance to all three of the parameters listed above, the present study will address the very important question of whether it is the source of the randomness which matters most or the belief and expectations of the operator regarding said source. Three experimental conditions are utilized to best answer these questions. The first condition, which serves to address the role of belief in successful operation, consists of a single-operator database in which data are generated from a pseudorandom source but the operator is under the false belief that the data is from a truly random, microelectronic noise source. The final two conditions are meant to provide a more general understanding of how the effect is manifested and differ only by the run lengths used. One condition utilizes the 100- trial run length while the other utilizes the 1000-trial run length. A comparison of these two conditions could help us understand if the effect manifests itself only at the initialization of each run or if the situation is more complex. The investigation of PseudoREGs is crucial for many reasons, understanding them better will shed much light on the entire repertoire of experimental apparatus developed by the Princeton Engineering Anomalies Research laboratory Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/5-EbHs-rX_w	The Dynamic Relationship Between People and Earth's Energetic Systems _ Rollin McCraty	<p>The Dynamic Relationship Between People and Earth's Energetic Systems Rollin McCraty, Ph.D. HeartMath Research Center Institute of HeartMath Walnut Creek, California The convergence of several lines of evidence provides strong support for the existence of a global information field that connects all living systems and contributes to a type of global consciousness. Every cell in our body is bathed in an external and internal environment of fluctuating invisible magnetic forces that can affect virtually every cell and circuit in biological systems. Numerous physiological rhythms and global collective behaviors can become synchronized with solar and geomagnetic activity and disruptions in these fields can create adverse effects on human health and behavior. The most likely mechanism for explaining how solar and geomagnetic influences affect human health and behavior are a coupling between the human nervous system and resonating geomagnetic frequencies (Alven Waves), and resonances in the earth-ionosphere resonant cavity (Schumann resonances) and other very low frequency waves. The Global Coherence Initiative (GCI) was launched by the Institute of HeartMath in 2008. GCI has designed and is installing a Global Coherence Monitoring System at strategic locations around the planet to measure the fluctuations and resonances in the earth's magnetic fields to conduct research on the mechanisms of how the earth's fields affect mental and emotional processes, health, collective behavior and social unrest. This globally connected network of GPS time stamped detectors continuously measures magnetic signals that occur in the same range as human physiological frequencies such as the brain and cardiovascular systems. Each site includes a random number generator (RNG) that is part of the Global Consciousness Project (GCP) network. This presentation will report on a collaborative study with the Prince Sultan Cardiac Center in Al Ahsa, Saudi Arabia where we obtained a total of 960 24-hour heart rate variability (HRV) recordings from a group of 16 women (mean age 31, 24-49) over a five month period between March and August of 2012. The solar activity and magnetic variables were: solar wind speed, Kp and Ap index, PC(N), sunspot number, solar radio flux (f10.7), cosmic rays, Schumann resonance integral (area under the curve around 7.8 Hz) and the mean and Standard Deviation (SD) of the time varying magnetic field data collected at the GCI sites located in Boulder Creek, CA and Saudi Arabia. For each of the study participants, a correlation matrix was calculated between each environmental and HRV variable. Overall, the study strongly confirms that autonomic nervous system activity is affected by solar and geomagnetic influences. All of the HRV measures, with the exception of IBIs, were negatively correlated with solar wind speed and some measures were negatively correlated with the magnetic field data from the local site in Saudi Arabia, but not the site in California, suggesting that local measurements are important. Surprisingly, there were also a number of positive correlations. For example, the f10.7, cosmic rays and Schumann resonance power was positively correlated with a number of increases in HRV variables. Although there were a number of global correlations, at the individual level, the HRV responses varied and in some cases different individuals showed different responses to the same environmental variable. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/Hp-x4NigzNU	Replications of Banana Mummification Experiments _ Bill Bengston	<p>Gone Bananas: Some Replications and Extensions of Bernard Grad's Banana Mummification Experiments Bill Bengston (speaker) and Don Murphy Bernard Grad, arguably the father of modern healing research, discovered that some individuals could mummify bananas using techniques analogous to laying-on of hands. When successfully "treated," picked bananas appear to bypass normal autolytic stages, accelerated weight loss relative to controls, and finally hardening to a permanent state of mummification. We have done more than four dozen replications, testing conditions well beyond those attempted by Grad. We suggest that a single event leads to a cascade effect, altering the production or reception of ethylene (a plant hormone key to banana ripening) and amylase (responsible for conversion of starch to sugar during ripening), as well as modifying conversion of protopectin to soluble pectin. Among our findings: mummification is contact dependent (different from "normal" hands-on healing data); takes place without regard to the intent or mental focus of the healer; is blocked with plastic and copper foil; cannot be done through healing surrogates (e.g. cotton); is dose dependent. Resonant bonding with controls may be occurring, though it is not consistent. With further work, the physiology of this form of banana mummification can be clarified. The phenomenon may provide some clues to understanding patterns of anomalous healing. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/AX2iWAXNH8o	Extraterrestrial Intelligences - A Maximum Likelihood Approach _ York Dobyns, PhD	<p>A Maximum Likelihood Approach to the ETI Hypothesis York Dobyns, PhD Maximum likelihood methods are usually developed as part of a rigorous mathematical formulation for a problem domain involving exact quantitative measurements and models. The same concept, however, can be applied to less well-quantified situations. The only essential requirement for such a semi-quantitative approach is that it must be possible to identify distinct hypotheses as being either more or less likely than others. If, at every possible decision point in a hypothesis evaluation, one chooses the formulation that is more likely than every competing alternative, one will emerge with the most likely hypothesis, even if the degree of relative likelihood is impossible to evaluate. A popular hypothesis, frequently examined by numerous SSE members, is that Earth has been (and perhaps is being) visited by spacecraft containing extraterrestrial intelligences (ETI). The primary evidence presented in favor of this hypothesis consists of eyewitness reports, and occasional corroboration such as photographs or instrument records, of objects that appear to be artificial vehicles and cannot be identified with any known human vehicles or technology. A subset of this witness testimony and other documentation indicates that at least some of these vehicles seem to have occupants, usually approximately humanoid, who are able to operate (possibly with protection) in a human-compatible environment as regards temperature, atmospheric chemistry, gravitation, and so forth. The current presentation does not attempt to evaluate the quality of this body of evidence but simply stipulates its existence and attempts to construct a maximum likelihood version of an ETI model consistent with observation. Evaluation of likelihood is based on the premise that what is known to be possible is more likely than what has merely not yet been proven impossible. Thus, for example, technologies already implemented by human beings are more likely than technologies based on known physics but not yet successfully implemented by humans, and these in turn are more likely than technologies based on speculative physics not yet confirmed to be real. Similar, though looser, constraints apply in other sciences such as biology. Background knowledge, such as the fact that we are not presently engaged in widely known, public communication with any ETI species, will sometimes be invoked as well. The conclusions can be summarized briefly by saying that the ETI model of highest likelihood, given the data, is that a substantial ETI civilization is present in the Solar System exploiting deep-space resources (such as minerals in the asteroid belt and volatiles in the Kuiper belt) in ways we have not yet managed to observe. Inferences from this basic model include the conclusions that the main civilization is deliberately pursuing a policy of concealment (perhaps not primarily from us) and those individuals who have allowed their vehicles or even themselves to be observed by humans have been violating the behavioral norms of their culture of origin. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/ciY5WP463Xk	Anomalous Random Number Generator Output During Healing _ Takeshi Shimizu	<p>Examination of Random Number Generator output during non-contact Healing and macro psychokinesis Shimizu, T. & Kokubo, H. Using expert healers as participants, recent experiments by Kokubo et al. (2010, 2011, 2012, and 2013) reported that non-contact healers exhibited good healing effects using pieces of plants as biosensors. Notably their effects were measured by gas or fluorescence emissions from pieces of cucumber, showing a distribution of bio-psychokinetic (PK) effects, not only for the nearest target in front of the participant, but also other targets set within around a few meters around the participant. These results showed high reproducibility. If these kinds of healing energy are distributed around healers without their awareness, we can consider that biosensors and Random Number Generators can be used as detectors of these anomalistic phenomena; as sensors of field consciousness. A Random Number Generator (RNG) is an instrument that produces bit sequences (0 or 1) at high speed through physical means. Many previous studies for PK or field consciousness have reported that these RNG outputs become statistically biased under certain circumstances. In case of typical PK experiments, one of the most important factors is the intent of the participant, whereas field RNG studies have demonstrated statistical biases in the absence of anyone who might intend to influence the output of the RNG or in the presence of subjects who are unaware or have no knowledge about the presence of the RNG. In any case, these kinds of anomalies can be interpreted as the consequence of micro PK. The purpose of the current study was to examine possibility that RNG outputs would be affected by experimental PK tasks. To this end, we employed two PK tasks. The first was the bio-PK task designed by Kokubo et al., in which participants would try to heal cucumber pieces. The other involved a varying weight task using metal nails. While the participants' attention would be focused on the targets (sensor) alone, we hypothesized that the output of the RNG, which were not known to be located near the participant, would be influenced by a certain state of consciousness if the energy affected space entropy without specific intent. Results found no biases in the RNG outputs during the PK tasks. Unfortunately, the findings did not support our hypothesis. Although the current analysis focused on the value of the end event, it may be easier to observe bias if we focus on all the processes of the SS transition for each period. The results were different between healers. An RNG outputs showed an increase of variance over all periods in the nail-weight increasing task, whereas another results of the weight decrease task showed small variances over all intervals. Since this was a pilot study, the sample size was not sufficient. When we consider that the wavelet was not able to detect any difference, the current results suggest that anomalies of RNG are not merely physical signals, but need to be explained by other frameworks. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/56Mpg--qb68	A Unified View of Mind, Matter, Space, and Time _Dr. Andrew Silverman	<p>“Here And Now” - Thoughts On A Unified View Of Space, Time, Mind And Matter Andrew Silverman We are all arguably 'here and now'. It is my contention that if we understand 'here and now' we will better understand Mind and the material Universe as well as the connection between the two. Schrödinger (1) pointed out that "Mind is always NOW" (my emphasis). I will discuss how he derived from this the argument that mind is eternal and that at the fundamental level all Mind is One. Professor Roger Penrose (2) has suggested that we will understand Consciousness better once we have arrived at a unification between Quantum Theory and Relativity. Professor Lee Smolin (3) has pointed out that the Laws of Physics as currently understood don't imply in themselves either the existence of the 'Now' or what we experience as the 'flow' of time. He also cautioned (3) against the logical flaws inherent in seeing space and time as a 'given'- as simply the 'when and where' of substance and events. I suggest that in considering the relationship between these four concepts of space and time, mind and matter we would do well to acknowledge an 'elephant in the room'. If there is such a thing as freedom of will then this could perhaps be a clue to the nature and properties of all four. The role of consciousness in the 'measurement' problem of quantum theory is discussed particularly in the context of the 'delayed choice' experiment. It is suggested that if we may consider an explanation beyond materialism or dualism then it might be conceivable that mind and matter form part of a continuum with mind being the 'prime mover' and that considering certain characteristics of awareness and will as they relate to time, space and matter might enhance our understanding of humanity as sentient beings, of the nature of physical reality and our relation to it and to each other. References [1] Erwin Schrödinger: "What is Life?" Cambridge University Press 1944 [2] Roger Penrose: "The Emperor's New Mind" Oxford University Press 1989 [3] Lee Smolin: "The Trouble with Physics" Penguin 2007 Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/xOBv5UST6P8	Is the Universe a Consciousness-created VR Simulation_ _ Bernard Haisch	<p>Is the Universe a Vast, Consciousness-created Virtual Reality Simulation? Bernard Haisch Two luminaries of 20th century astrophysics were Sir James Jeans and Sir Arthur Eddington. Both took seriously the view that there is more to reality than the physical universe and more to consciousness than simply brain activity. In his Science and the Unseen World (1929) Eddington speculated about a spiritual world and that "conscious is not wholly, nor even primarily a device for receiving sense impressions." Jeans also speculated on the existence of a universal mind and a non-mechanical reality, writing in his The Mysterious Universe (1932) "S the universe begins to look more like a great thought than like a great machine." In his book QED Feynman discusses the situation of photons being partially transmitted and partially reflected by a sheet of glass: reflection amounting to four percent. In other words one out of every 25 photons will be reflected on average, and this holds true even for a "one at a time" flux. The four percent cannot be explained by statistical differences of the photons (they are identical) nor by random variations in the glass. Something is "telling" every 25th photon on average that it should be reflected back instead of being transmitted. Other quantum experiments lead to similar paradoxes. To explain how a single photon in the two- slit experiment can "know" whether there is one slit or two, Hawking and Mlodonow write: "In the double-slit experiment Feynman's ideas mean the particles take paths that thread through the first slit, back out though the second slit, and then through the first again; paths that visit the restaurant that serves that great curried shrimp, and then circle Jupiter a few times before heading home; even paths that go across the universe and back. This, in Feynman's view, explains how the particle acquires the information about which slits are open." It is hard to imagine a more absurd physical explanation. We can think of no way to hardwire the behavior of photons in the glass reflection or the two-slit experiments into a physical law. On the other hand, writing a software algorithm that would yield the desired result is really simple. A digital reality whose laws are software is an idea that has started to gain traction in large part thanks to an influential paper in Philosophical Quarterly by Oxford professor Nick Bostrom. Writing in the New York Times John Tierney had this to say: "Until I talked to Nick Bostrom, a philosopher at Oxford University it never occurred to me that our universe might be somebody else's hobby. But now it seems quite possible. In fact, if you accept a pretty reasonable assumption of Dr. Bostrom's, it is almost a mathematical certainty that we are living in someone else's computer simulation." Instead of a future simulation nerd, I suggest that there exists a great consciousness whose mind is the hardware, and whose thoughts are the software creating a virtual universe in which we as beings of consciousness live. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/1AUmlUqwbb8	New Mind-Matter Interaction Experiments Involving Light _ Dean Radin	<p>Many types of physical systems have been used in experiments investigating mind-matter interactions (MMI). A smaller number of studies have used light as the target of mental influence. Studies involving light are especially useful for studying MMI because light reveals behavior that is distinctively quantum in nature. In particular, it displays wave-like or particle-like behavior depending on how the light is observed. In physics, "observation" is generally regarded as an irreversible amplification of a microscopic event, but there are other forms of observation, including subjective awareness. This observation-dependent effect provides a unique opportunity for studying the meaning of observation and the possible role of consciousness in the physical world. This talk briefly reviews the relevant literature on MMI experiments using optical systems. Then it focuses on a series of 15 experiments conducted in our laboratory over the past 5 years, all involving optical interferometers. The first study involved a Michelson interferometer, the next ten used a continuous beam Young-style double-slit interferometer, and the last four involved a single-photon double-slit system. The cumulative evidence from these studies suggests that mental attention acts in a manner analogous to an inefficient physical detector; that is, when the detector is operating it causes light to slightly shift from wave- to particle-like behavior. But unlike a physical detector, the mind has the capacity to turn this "detector" on or off through the modulation and direction of attention. I will speculate on this and other interpretations of the experimental results. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/84SxEaDHppk	A Model to Explain Unusual Consciousness Phenomena _ Charles Lear	<p>Evidence for and Model to Explain Unusual Consciousness Phenomena Charles Lear Applied Physics Laboratory, John Hopkins University It is clear that unusual consciousness phenomena such as near-death out-of-body experiences (OBEs), reincarnation remembrances of children, and strange psychophysiological phenomena such as the placebo effect and stigmata cannot be explained with existing scientific theories and concepts. They provide strong evidence for the existence of mechanisms not included within our current mainstream-scientific worldview and theories. I hypothesize that the “mechanism” through which these strange phenomena can occur is the human subtle-energy system with its multiple, interpenetrating subtle dimensional bodies. First consider the scope of the evidence. Cumulative evidence for the reality of NDEs and children who remember their immediate past lives has been well documented in JSE publications and books. Recently, Edward and Emily Kelly with their coauthors produced a huge book, Irreducible Minds, in which they document the full spectrum of other unusual mind-body phenomena. To their treatment, I would add the amazing descriptions from thousands of between-lives regression cases of souls (nonphysical consciousness) in a spiritual realm that are almost in complete alignment with rich NDE accounts. I consider the cumulative accounts from both these sources provide us with a preliminary outline of this realms sociology. As the Kellys emphasize in their book, mainstream psychology and medical sciences with their mechanistic view of life deny the reality of these phenomena. They write that an important step in the expansion of science is the development of models explaining how these unusual phenomena can be occurring. In discussion stigmata, Emily Kelly quotes two researchers about the specific processes required to create this phenomena: • Are . . . a mystery of the profoundest sort, with all sorts of implications for the so-called mind- body problem • [require a] “kind of superintelligence” In my research for possible explanations, I found that the human subtle-energy system with its multiple, interpenetrating subtle-energy bodies provides the elements that can explain all of the unusual phenomena. In this model, the etheric subtle body operates similar to a “computer program” directing the development, and maintenance of the physical body plus its response to external and internal stimuli. It is affected (programmed) by human emotions and beliefs present in the second and third bodies respectively—providing answers to the “how” of unusual psychophysical (mind-body) phenomenon such as stigmata. This distributed, nonphysical model of consciousness (mind) is how all the near-death OBEs of our human consciousness can occur in both earth and nonearthly realms. The concept of a nonphysical, holographic distributed mind can also explain the accounts of the donor’s memories and personality traits being transplanted in some organ-replacement surgeries. Lastly, I want to mention the strange phenomenon that Walter Semkiw has discovered in the similarity of physical appearances and personality traits between present-day individuals and their past-life humans. The human subtle body model with its spiritual-plane bodies provides the input to explain this and many other anomalies. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/uYjNXNxr2JA	<p>Radiesthesia – The Ancient Science of Vibrational Physics _ Dr. Dominique Surel</p>	<p>Radiesthesia – The Ancient Science of Vibrational Physics Dr. Dominique Surel Professor & Dean of Faculty, Energy Medicine University, California As quantum physicists slowly discover the dynamics of how our universe functions, their findings are revealing concepts that are reflected in the ancient science of Radiesthesia. The major difference between the concepts in modern conventional science and radiesthesia is the human element. In the latter, the human body is considered an instrument and a critical component. Radiesthesia comes from the Latin word radius, or ray, and the Greek word aesthesis or sensitivity. It can be traced back to 6,000 BC in China, Europe, and Egypt. While the general population was taught how to use dowsing rods, the knowledge of the science of Radiesthesia using the pendulum was limited to special individuals, priests, or top leaders. To acquire this knowledge was to develop the human mind, body, heart, and soul, in a way that established direct connection with the Universe or the Divine. Radiesthesia is based on the concept that all things, living, inert, shapes, materials, etc. emit some type of wave form, or frequencies. Humans can develop their sensory with their mental capacities to learn, by using intention, how to enter into resonance with the different waves or rays in order to detect, measure, and manage these forces or energies. It is believed that the Egyptians used Radiesthesia to build their pyramids. For thousands of years, knowledge of Radiesthesia was passed on by word-of-mouth and as the modern world evolved into the more mechanistic and industrial epoch, the concepts of the ancient science were ignored. Still today mechanistic scientists scoff at using the human being as an instrument because they have difficulty proving, through conventional instruments and research designs, that this human potential exists. The problem is that conventional scientific instruments and research designs were not created to explore the nonlocal realm. In the 1940s, two French colleagues, de Belizal, a physician, and Chaumery, an engineer, rediscovered the lost knowledge while visiting the Pyramids in Egypt. They dedicated years researching the different invisible rays and frequencies, seeking scientific explanations. One of their findings was a specific ray emitting energy of a negative electric green frequency which the Egyptians used to mummify and protect the tombs from intruders. While conducting experiments with this ray, Chaumery died of over-exposure. Some European surgeons realized, with good training in Radiesthesia, that they could accurately identify the ideal spot to make a surgical incision; but they were quickly thrown out of the medical profession. In the 1990s Professor Etienne Guille (PhD in physio-biochemistry) from the University of Paris conducted research on DNA using Radiesthesia and published his findings in the book Vibrational Language of Life. Homeopaths in the early 1900s used Radiesthesia for diagnoses and tailoring the dosages for each individual. The applications of this science are limited only by our creativity on how to use it. This lecture will explain the concepts of Radiesthesia and how the training to learn this science taps into an area of human potential that is being overlooked today. Recorded at the 33rd annual SSE Conference in 2014 at the Hyatt Regency San Francisco Airport, Burlingame, California, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/Gfp70M8PGSo	Immuno-Enhancing Effects of Longitudinal Electromagnetic Fields _ Glen Rein	<p>Immuno-Enhancing Effects of Longitudinal Electromagnetic Fields Generated from a Caduceus Coil Glen Rein Longitudinal vibrations in a variety of resonators (crystals, minerals, meta-materials, thin films, etc.) have been mathematically modeled in an attempt to understand the properties of the electromagnetic (EM) fields they emit. Such longitudinal (or scalar) fields can be experimentally generated by exciting longitudinal vibration modes or by the use of self-cancelling coils. The latter includes the use of toroidal and caduceus coils (which are geometrically related). These studies indicate that longitudinal fields can be considered non-classical, since they do not obey Maxwell's laws. Recently Barrett has reformulated Maxwell's equations [U(1) symmetry-based] to account for the observed anomalous behavior of transverse EM fields under special conditions. The modified equations, based on non-Abelian algebra, characterizes longitudinal EM fields of SU(2) symmetry. Propagation of longitudinal fields is described in various biological systems (bone, cochlear tissue, etc.), where these fields have been postulated to mediate growth processes. Preliminary studies by Flannigan, Smith, and Ho suggested that biological systems also respond to longitudinal EM fields when applied exogenously. However, relatively little is known about their mechanism of action. In this presentation, the biological effects were determined by measuring the growth of human lymphocytes in tissue culture. Growth was determined using state-of-the-art biochemical techniques involving the incorporation of (3H)-thymidine (1.0 µCi/ml) into replicating DNA. Cell proliferation was determined by measuring the amount of radioactivity in the DNA fraction 12 hours after four 15-minute treatments over a 12-hour treatment period. In some experiments, interleukin-2 (IL-2) (25U/ml), a standard mitogen for lymphocytes, was added to the culture medium immediately prior to the 12-hour EM treatment period. Control cultures received no EM treatments. Longitudinal fields were generated using a specially designed caduceus coil predicted to emit a combination of transverse (classical) and longitudinal (non-classical) EM fields. The caduceus coil was fed with a complex square wave composed of frequencies expected to stimulate the immune system. Near-field transverse EM measurements were used to characterize the EM fields generated by this caduceus coil. A magnetometer was constructed using a Technics T-1050 high pass coil detector connected to a Spectral Dynamics SD-335 spectrum analyzer and a HP 181TR oscilloscope. The results indicate that longitudinal EM fields generated from the caduceus coil have a very marked stimulatory effect on the growth of human lymphocytes ($p = 0.001$), much larger than previously reported for classical, transverse EM fields. A similar effect was observed with IL-2, but there was no additivity or synergism when the mitogen was combined with the EM fields. This suggests that these energetic and chemical signals stimulate cell proliferation by similar mechanisms. EM measurements indicated the presence of a weak (1.5 G) transverse EM field with the anomalous appearance of new frequencies not present in the current fed into the caduceus coil. It is presently unclear whether the unusually large stimulatory effect on lymphocyte proliferation is due to an optimal combination of transverse and longitudinal EM fields or a highly effective set of frequencies generated by the fields emitted from the caduceus coil. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/IFp5Jz42ZHE	Effects of Bioelectromagnetic Energy on Okra Yields _ Vijay K. Gupta	<p>Effects of Bioelectromagnetic Energy on Okra Yields Using Thought Transaction Vijay K. Gupta</p> <p>A scientific paradigm shift to replace the existing chemical and biotechnological agricultural practices worldwide is the need of the moment. Evidence of harmful effects of current agriculture on people and the environment is mounting. In our research, the use of chemical fertilizer and pesticides is eliminated, while more than doubling the crop yield. It demonstrates the feasibility to address the global crisis emerging from food shortages for a growing population. Well-established ancient practices of India for cultivation and good harvest honored sun, soil, rain, seeds, and cows as an integral part of farming, and used Panchagavya, a product derived from cow's milk, curd, ghee, dung, and urine. Panchagavya contains micronutrients, carotenoids, flavones, phenolic compounds, steroids, and vitamins to enhance plant growth. We investigated these ancient practices on okra yield (<i>Abelmoschus esculentus</i> .L) within a modern scientific framework at the VMKYKK Research Foundation, Aliyar, Tamil Nadu. The overarching hypothesis of our research is that plants respond to electromagnetic energy as an external stimulus. Bose (1919) conducted experiments on the response of plants to external electromagnetic stimuli. Quoting Bose, "the growing plants not only perceive but respond to the stimulus of electrical waves. These effects were found in all growing plants." Waechter (2002) reviewed extensive literature and hypothesized that "Qi energy and the Western scientific concept of ... bioelectromagnetic (BioEM) energy is the same phenomenon. The countless similarities ... suggest ... that these two concepts are ... intimately related". He further stated that "As one enters a meditative state ... the frequency of brain wave drops ..., and that BioEM field extends beyond the physical boundaries of the body into the surrounding space." We hypothesize that BioEM energy is projected through thoughts, which Rajendran et al. (2003) supported. They conducted a laboratory experiment using thought transaction in low mental frequencies on tomato plants. Their observations showed major resistance against root knot nematodes. We systematically investigated the effect of thought transaction in low mental frequencies and Panchagavya in two plots. In the first, two-minute and five-minute thoughts were given every morning for the wellness of the crop and good yield. A control set was used against which to compare yields. The experiment lasted for 60 days. Panchagavya treatment was given as 3% spray at 10-day intervals. A second experiment was repeated with only thought transaction, excluding Panchagavya. Yield data were analyzed statistically. Results of both the experiments showed that plants responded exceedingly well to BioEM energy using thought transaction. Okra yield increased by 121% over the control set. Panchagavya alone by comparison was found to enhance the yield by 68%. There is no significant difference between combination of thought transaction with and without Panchagavya. Our findings demonstrate that environmental pollution and health hazards can be avoided, and crop yield doubled, by adopting ancient practices that are modernized and scientifically validated. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/jWKNbUBa8Zs	<p>EEG During Energy Healing _ Juan Acosta-Urquidi</p>	<p>EEG Alpha Spectral Power is Augmented During Energy Healing Juan Acosta-Urquidi This study provides objective scientific data that Energy Healers can shift brain states when engaged in healing. A broad sample of practitioners from many traditions were voluntarily recruited for this study, including Reiki, Pranic, Johrei, Faith Healing, Shamanic, Vedic, Quantum Touch, and Deeksha. A partial report has been previously communicated (J. Acosta- Urquidi, AAPB, 2009; ISSSEEM, 2010). EEG data was recorded using Lexicor NRS-24 and Mitsar 201 amplifiers (St. Petersburg, Russia), employing 19-channel electrocap, referential linked ears, impedances ca. 5 KOhms, 250 samples/sec. Data from N = 20 healers (8 male, 12 female, age 40–65) were analyzed using Neuroguide software (www.appliedneuroscience.com). Peak Absolute FFT spectral power values (uV2) were compared before (baseline resting eyes closed, EC) and during eyes closed healing state (HS). Data were statistically analyzed (paired correlated samples t-test). Healers were recorded under two conditions: with client present in the room (some healers preferred light touching of client), and distant healing (working with a distant client). During the healing state (HS), healers shifted brain states across all frequency bands: Delta (0.3–4 Hz), Theta (4–8 Hz), Alpha (8–12 Hz) and Beta (13–40 Hz). However, the most consistent and reproducible result, found in 90% of the healers sample studied, was a statistically significant robust increase in global Alpha spectral power (mean % increase 109.5 ± 16.34). Clients receiving a healing also exhibited highly significant increased Alpha power (mean % increase 105.17 ± 26.17). In recent tests with a gifted healer, we demonstrated robust EEG effects, recorded from two clients, who received a distant healing (Seattle, WA, to Santa Cruz, CA). This is a demonstration of non-locality in the domain of energy healing. The unexpected finding that different healing traditions all share a common increase in Alpha power during HS is discussed. It is emphasized that these studies measured shifts in EEG brain states; no claims as to the efficacy of the healing were investigated. Different topographic brainmaps showing that Alpha relative (and absolute) power is selectively increased in a Deeksha healer during on-site healing will be shown demonstrating the effect. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/pbUUuF-8j4Y	Physics, Synchronicity, and Experimenter Expectation _ Sky Nelson	<p>A new model is proposed where the time evolution operator 'A' of a quantum system is factored into its singular value decomposition. A physical interpretation is given with the following consequences: 1) Any action or measurement by an observer is treated as "imagining the future possible outcomes of the system" and writing the state of the system in an orthonormal basis composed of those outcomes, and 2) the singular values σ_i of 'A' weight the possible outcomes and represent the level of expectation that the experimenter has that the state "i" will occur. As a consequence of this interpretation, the observer's action on and beliefs/expectations of the system determine the set of available outcomes and bias the system toward a particular outcome. This may provide a useful model for understanding psi experiments in the literature. For instance, with regards to experiments by both Radin and Bem, the possible influence of experimenter expectations described above may provide an explanation for both a variance in the data over time, as well as the difficulty for some parties (but not others) to replicate the results. Justification will be briefly made (in reference to previous papers) for why these results may apply to macroscopic situations as well. It will be suggested that, if the result above is true, effects such as these may have consequences for addressing real world societal problems, such as climate change. In the macroscopic domain, this described effect would appear as the occurrence of 'synchronistic' or meaningful connections within seemingly random events. The effect would bring the observer a greater-than-chance possibility of fulfilling her expectations about everyday events. This would have consequences both positive and negative for human experience. For instance, an individual who believes that challenges such as global climate change are solvable will be more likely to run across coincidences which help her be successful in her attempts to find solutions. Conversely, an individual who thinks the solutions are too difficult or too expensive will find equal appearance of synchronicity to confirm her beliefs. One could reasonably extrapolate that the effect may happen not only at an individual level, but also for collective groups of individuals, bringing about collective meaningful coincidences. In conclusion, it will be suggested that if the proposition is confirmed to be correct then there is an urgent need for more understanding of this issue not only among intellectual circles but among the general public, for our collective beliefs would potentially have an impact on our collective future. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/miEy-Ebmo8k	<p>UFOs at Nuclear Weapons Sites _ Robert L. Hastings</p>	<p>Unexplained Aerial Incursions at Nuclear Weapons Sites Demand a Renewed Scientific Interest in the UFO Phenomenon The UFO-Nukes Connection is now thoroughly documented. Declassified U.S. government files establish a convincing, ongoing pattern of UFO activity at American nuclear weapons sites extending back to December 1948. I have interviewed more than 130 U.S. military veterans—including ICBM launch and targeting officers—regarding their involvement in nuclear weapons-related UFO incidents. Seven of these individuals—former U.S. Air Force officers, including a deputy base commander— appeared at my September 27, 2010, press conference in Washington, DC, which CNN streamed live (http://www.youtube.com/watch?v=3jUU4Z8QdHI). The veterans report extraordinary encounters which have obvious national security implications. More to the point, implicit in these revelations are potentially paradigm-altering repercussions. The events divulged leave little doubt that the U.S. nuclear weapons program is an ongoing source of interest to someone possessing vastly superior technology. Moreover, declassified KGB documents and testimony from ex-Soviet Army personnel suggest that similar incidents occurred in the former U.S.S.R. Consequently, it appears as if an as-yet-unidentified third party has interjected itself into the six-decade nuclear arms standoff in a most startling and provocative manner. As revealed at the press conference, incidents occurred in 1967 during which significant numbers of ICBMs malfunctioned just as security personnel reported disc-shaped craft silently hovering above them. In another case, in 1980, a disc was observed to direct laser-like beams into the largest U.S. nuclear weapons depot in Europe. To dismiss these Air Force officers' detailed accounts as mere fantasies or fabrications is to suggest that those who held the fate of the entire planet in their hands during the Cold War were dangerously demented or otherwise untrustworthy. Surely, this was not the case. While this research material does not qualify as scientific data per se, the statements offered by these ex-military sources make abundantly clear the need for a fresh, unbiased scientific study of the UFO subject. Indeed, the late atmospheric physicist Dr. James McDonald—one of only a handful of scientists to have actually studied UFOs—advocated a renewed examination of the phenomenon decades ago. After several authorized visits to the U.S. Air Force's UFO Project Blue Book to review its sighting reports, he wrote, "There are hundreds of good cases in the Air Force files that should have led to top-level scientific scrutiny of the problem years ago, yet these cases have been swept under the rug in a most disturbing way by Project Blue Book investigators and their consultants." In a prepared statement delivered to the U.S. Congress' House Committee on Science and Astronautics on July 29, 1968, McDonald said, "My own present opinion, based on two years of careful study, is that UFOs are probably extraterrestrial devices engaged in something that might very tentatively be termed 'surveillance.'" Documents and witness testimony which have become available long after McDonald's death strongly suggest this hypothesis has merit and that the superpowers' nuclear weapons were one target of that ongoing surveillance during the Cold War era. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/AP4nejcaagw	<p>Intuitive Methods in Support of a New Science _ William H. Kautz</p>	<p>Intuitive Methods in Support of a New Science and its Associated Societal Paradigm William H. Kautz Modern science has unquestionably been an immense boon to the expansion of human knowledge, the development of civilization and creation of the current societal paradigm. However, it is now apparent that it suffers from severe shortcomings which are blocking its application to the study of the human mind, mind-related fields generally. and even fundamental physics and biology. The pressure to transcend these limitations is calling for major changes in the way science must be carried out and applied. In this presentation I identify these specific shortcomings and explain which of them which might be circumvented, which disregarded, and which modified to meet the emerging need for a new and more broadly inclusive science. Primary to this trend is the need for another way of acquiring knowledge besides the traditional methodology of experimentation, deduction, analysis, hypothesizing, and verification. In 1978 to 1993 the author's Center for Applied Intuition carried out a series of experiments to elicit, from a team of highly skilled intuitive individuals, new and useful information that had not been obtainable scientifically. Employing the method of intuitive consensus—which employs a set of skilled intuitives in a special inquiry mode—three knowledge-bound areas (among others) were explored: earthquake triggering, bipolar (manic) depression, and HIV/AIDS. Abundant new and detailed information was obtained. Later examination (2011) of these intuitive findings revealed that they corresponded very well with results from mainstream research over the intervening years. They showed that intuitive consensus has a significant potential for generating totally new information, ideas, perspectives, and hypotheses in almost any scientific area which is held up by a lack of knowledge. This method and the conditions for conducting future intuitive inquiries successfully, along with the implications for changes to modern science and the current societal paradigm, are described. Bio: William H. Kautz, Sc.D. M.I.T. '51, conducted basic and applied research in computer science and geophysics at SRI International (Stanford Research Institute) for thirty-five years, eventually as Staff Scientist. He then founded and directed for fifteen years the Center for Applied Intuition, a research, training, and educational organization in San Francisco. He is the author of seven books and fifty journal and magazine articles, and taught at Stanford University, Technical University of Denmark, and other institutions. He currently lives, writes, and teaches in Tucson and Prague. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/dFPcf_o-lcQ	<p>Medical Materialism_ Exploring the Allopathic Paradigm _ Shawn Tassone</p>	<p>Medical Materialism: Exploring the Allopathic Paradigm through Shamanic Practices This talk compares the training of allopathic physicians through calling, medical school, residency, and practice, to that of an indigenous shaman in training. The different stages of training will be compared and presented as a platform to show many similarities and one glaring difference. Indigenous shamanic healers practice healing in the community where they trained where the allopath has no overall sense of community. In order to highlight this comparison, medical students at the University of Arizona in an Integrative Medicine rotation were evaluated after being exposed to Huichol healing traditions in the high desert of Sedona, Arizona. Seventy-two hours of working with healing and fire ceremonies, smudging, and open dialogue with ancestors, brought students closer to their reasons for entering medical practice. Students claimed the exposure to these indigenous ceremonies and spending increased time with their colleagues in this setting instilled them with a sense of increased community and they felt more energized about the sacred calling to heal. The students also felt more connected to their bodies and their senses of hearing and touch were subjectively elevated. In conclusion, exposure to indigenous methods of healing might bring the allopath back to their calling to enter medicine and allow them increased connection to the community of patients they treat. The call to heal comes from the familial bonds of the shaman-physician, healing vocation, or from wounds of the past. In any case, it is the spiritual glue that provides physicians with the ability to become healers. The continuation of spirituality in medicine is a critical conduit to healing the physician. Inner healing of the physician is an important aspect of bridging the gap towards healing the community. Shamanic practice is a potential first step in bridging the gap between the wounded healer and the disembodied local and global communities. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/eTjLAhTGvqc	Implications for Promoting Health and Well-being in Adult Development _ Maria Syldona	<p>Anomalous Results in a DC Potential Study: Implications for Promoting Health and Well-being in Adult Development Maria Syldona Research in fields such as psychology, psychoneuroimmunology, and the neurosciences have established that the mind affects the body, promoting states of health and well-being as well as of illness. In childhood and early adolescence, as the biological or physical development completes itself, the mind simultaneously goes through its own developmental stages, and seems to play a part in overall human developmental stages. After these milestones are reached, in essence, human development is considered to be basically complete, and less research has typically been done at this point of seeming completion. Therefore less is known about human development beyond the mental (supra-mental), and beyond the primarily biological development that occurs in the earlier years of life. As a result, relatively little is known in Western culture about the stages and states of adulthood and their possible effects on health and well-being. Gaining greater scientific understanding of both ordinary and atypical adult developmental processes and their effects on this growing adult population may be one of the greatest and most important challenges of the century. The British Royal Academy recently called for interdisciplinary collaboration between the sciences and humanities in an effort to understand major paradigmatic challenges. Consideration of cross-cultural traditions and sciences in service of solving these challenges could prove fruitful as well. With respect to adult development and well-being in many other cultures, the 'elders' are those who are in possession of many of the kinds of 'anomalous abilities' studied by, or of interest to, SSE members. Many of them are the 'seers,' the 'healers,' those that know the science of influencing the weather, or possess other non-ordinary talents. These cultures all have an understanding of some supra-mental, psychology cosmology, or psychospiritual aspect inherent in human beings that manifests frequently in adulthood, or advanced adulthood. Research integrating tenets of Eastern psychospiritual traditions and Western science could also be of value in facing the challenges of promoting health and well-being in adult development. Such integration provided the basis for a study of healing meditation states that produced data of real-time dynamic fluctuations in DC potential measurements. It was hypothesized that bioelectricity, as DC potential current measurements, taken from on and off acupuncture points is both a direct and an indirect measure of prana (chi). Anomalous data from an adult subject who reported spontaneous experiences that met traditional criteria for a Kundalini experience is presented. According to Eastern science traditions, Kundalini processes represent the stage of adulthood, accompanied by the potential for supra-mental or psychospiritual development. The DC potential data taken during this event exhibit an anomalous pattern compared to others obtained in this study, and also appear to corroborate descriptions in Yogic sciences of energy-based phenomena which can take place during Kundalini activation. The results likely represent an electrophysiological signature of Kundalini activity. Since the apparently anomalous data fit the theory which accounts for this data, it serves to confirm the hypothesis. Bio: Dr. Syldona's interdisciplinary background encompasses science, engineering, psychology, education, and Eastern psychospiritual traditions, at institutions including: Carnegie-Mellon, Stanford, and Brown Universities and SUNY Stonybrook. She is Founder/Director of the Institute for Human Psychospiritual Development in Colorado. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/ORh_OhgO7Xg	<p>Energy Healing - The "Envelope Experiments" not;</p>	<p>Another Envelope Experiment with the Bengston Method of Energy Healing: New Answers, More Questions by Vernon Nicolas & Bernadette Doran William Bengston conducted an "envelope experiment" to determine if a recipient's need catalyzes a healing response in a therapist, even without conscious awareness about the recipient. Previous research with Bengston demonstrated fMRI brain scans exhibit "on" and "off" states of healing. As he entered an enclosed MRI for measurement, different sealed envelopes were placed in Bengston's left hand, some empty and others containing pictures and hair samples of animals with cancer. Despite no conscious knowledge of the contents within each envelope on Bengston's part, the fMRI scans revealed two distinct patterns: the presence of a healing state when Bengston held the animal sample envelopes and the absence of a healing state when he held empty ones. A similar experiment was conducted to identify an unconscious provocation of a healing response. However, Gas Discharge Visualization (GDV) energy assessments replaced MRI scans to measure the presence of a healing response. GDV scans have been previously used to measure Bengston Method of Energy Healing responses in more than 40 therapists and patients at Equilibrium Energy + Education in Chicago. Nine individuals trained in the Bengston Method of Energy Healing participated in the experiment. Eight were trained by Bengston during a two-day in-person workshop while one was self-trained using Bengston's CD program. All were instructed not to consciously "cycle" (the subjective means of initiating a healing energy flow) and were deliberately distracted during the experiment to direct their conscious attention elsewhere. Each was given a sealed envelope holding either a blank index card or a card with the names of three cancer patients currently undergoing Bengston Method treatments. The experimenters and all participants were blind to the contents within each envelope. Only one individual held an envelope at a time to minimize interaction effects. After holding the envelopes for ten minutes, the energetic state of each individual was captured using the GDV technology. The energy fields of the individuals holding the cancer patient envelopes indicated a strong healing response, as expected. However, the energy fields of the individuals holding blank index card envelopes also indicated a response, at only a slightly lesser extent. While these results corroborate Bengston's earlier findings, the experiment raises a new set of questions about a "group response" in healing and the nature of resonant bonding. Bio: Vernon Nicolas is the Research Director and Bernadette Doran is the Director of Equilibrium Energy + Education, a Chicago wellness center dedicated exclusively to research-based energy therapies, classes and training workshops. Recorded at the 31st annual SSE Conference in 2012 at the Millennium Hotel in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/am_VYCyLslc	Evaluation of Two 'Leaked' UFO Documents _ Robert Wood	<p>Skeptics in the UFO community have often claimed that “leaked” documents can be fabricated, then copied, and therefore the researcher is unable to establish provenance or authenticity. This author happens to have obtained two documents on original paper, thereby permitting the use of forensic techniques for dating. One document is entitled “An Encyclopaedia of Flying Saucers”, written by New Yorker Vernon Bowen in the mid 1950s and subsequently lent to the military allegedly for review and approval prior to publication. It was returned from an Army FOI (Freedom of Information) office at Fort Meade, Maryland to a mailbox in 1999, and was classified either Confidential or Top Secret/Majic on pages dealing with the Air Force. In addition, numerous pen and pencil notations were made on the original pages, and these have been dated according to first available use of the inks involved. Several of the handwritten notes strongly support the hypothesis of a strong, sophisticated program to study UFOs and to be kept from the public. A second document, called “The Burned Memo” because there are clear burn marks evident where it was apparently pulled from a fire, identifies a number of code word projects from the Nixon era, some of which are known and now unclassified and some of which are unknown and possibly still classified. The inferences of keeping JFK and the public in the dark about these programs are, if true, discomfiting. Each of the eight tab pages will be discussed. Some of the projects mentioned seem to deal with consciousness research. In conclusion, the evaluation of the two “original- paper” documents strongly supports the hypothesis that there was a high level UFO research or control program called MJ-12 using the code word Majic. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-13	https://youtu.be/TDG1IzbaJfg	The Human Side of UFOs _ Shelley Tanenbaum	<p>The Human Side of UFOs: Gifts and Challenges of Individuals Who Report ET Encounters Shelley Tanenbaum There are intelligent and gifted adults and children who are marginalized because our current paradigm has no place for them. These individuals report experiences of ET abduction that are both traumatizing and transformative – challenging our concepts of time, space, material existence and religious and/or spiritual beliefs. In the early 1990's, Dr. John Mack, an internationally respected Harvard psychiatrist was confronted by this ontological dilemma and chose to learn from these people instead of dismissing or pathologizing them. This presentation will not attempt to prove or disprove that people have been abducted by aliens. Instead, it will focus on a list of gifts and challenges that are common among "abductees", based on my work with Dr. Mack and subsequent contact with this extraordinary group of individuals. The list was written for those who report this phenomenon as well as those who wish to understand and appreciate this group more fully. Copies of the list will be available at the presentation. We who wish to comprehend the mysteries of the Universe and our own existence must at times suspend disbelief and enter into a real dialogue that dares to hold the impossible. In our listening, greater truth can be revealed to us all. Shelley Tanenbaum, PsyD., John E. Mack Institute (formerly PEER, the Program for Extraordinary Experience Research). Dr. Tanenbaum is a clinical psychologist, senior Hakomi therapist and creator of Intuitive Life Movement™. She currently resides in Boulder, CO. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/aNcUIUcuRSM	Higher States of Consciousness Beyond Space and Time _ Maria Syldona	<p>Higher States of Consciousness Beyond Space and Time: A Comparative Perspective from Eastern Cosmologies and Western Science Maria Syldona As Western science explores in order to discover the truth about the universe, and everything in it, so have Eastern science traditions explored for millennia. Though formulated distantly in time from each other, each in its own way has come to some strikingly similar discoveries and theories. One of these Eastern science traditions, Kashmir Shaivism, is of particular interest to Western science. Among the most valuable contributions to developing insights into phenomena studied by Western science is the conceptualization of universal manifestation. Within it is a potential wealth of scientific insight. It describes in detail how a totally vibrational universe manifests into apparent physicality. This model of the manifestation of the universe sheds light on phenomena beyond space and time, such as discovered in Western research on UFO's and REG' s. It also illustrates parallels to quantum physics concepts such as the nature of sub-atomic particles/waves. Quantum processes involved in producing large amounts of energy and new sub-atomic particles have parallels here, as well. Yet another important concept, holography, is represented in the manifestation model. This is reflected in the notion that human beings are holograms of the universe. Inherent in both the universe and humankind is not only the involutory action that leads to manifestation, but also (and perhaps even more importantly) an evolutionary action to promote higher states of consciousness. Although this aspect of the model is profound within itself, it, too, has implications for contemporary Western science research. For example, the concept of transformation of energy is addressed, and along with it, the notion that when a measurement is taken may mean the difference between measuring one type of energy, or a completely different kind. The parallels demonstrated serve to illustrate the potential value of the study of Eastern science traditions in furthering the pursuits of Western science. These tenets have obvious implications for the understanding of higher states of consciousness and evolution, both universal as well as human. Dr. Syldona's interdisciplinary background encompasses engineering, psychology, Eastern science traditions, electrophysiology and education. Her research experience includes post graduate work at Stanford and Brown Universities and SUNY Stonybrook. She has published research findings in several areas in peer-reviewed journals. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/ioklwKarUew	The Constants, Reductionism, and the Origins of Space and Time _ Richard Shoup	<p>At least six apparently independent physical constants seem to be finely tuned to allow evolution of complex and intelligent life in our universe. In this talk, we discuss possible origins and implications of this seemingly unlikely situation, but challenge the usual assumptions of materialism, reductionism, and randomness. From this new vantage point, several hypotheses are offered for the ultimate origins of the physical and mathematical universe, and for the non-uniform properties we observe in it. As an example, we give extremely simple and abstract definitions of time, space, and velocity, and show that these lead naturally to the addition of velocities as given by Special Relativity. Richard Shoup received his BSEE and PhD in Computer Science from Carnegie Mellon University. He has worked at the Xerox Palo Alto Research Center, Interval Research, and is currently President of the Boundary Institute. His research interests have focused on the foundations of physics, mathematics, and computer science. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2019-03-11	https://youtu.be/IE0edf4ID-U	fMRI and EEG Evidence of Correlated Brain Signals Between Isolated Subjects _ Todd Richards	<p>Functional Magnetic Resonance Imaging and Electroencephalographic Evidence of Correlated Brain Signals Between Physically and Sensory Isolated Subjects Todd Richards University of Washington Studies reporting the existence of anomalous correlated brain signals in pairs of physically and sensory isolated humans have appeared scarcely but consistently in the scientific literature for the last 40 years. We present evidence that Functional MRI and electroencephalographic (EEG) methods can be used to measure correlated brain signals between individuals who are physically isolated but who are "connected". In one of our studies, eleven healers sent forms of distant intentionality (DI) that related to their own healing practices at random intervals to the recipient who was in the fMRI scanner. Significant differences in brain signal between experimental (send) and control (no send) procedures were found ($p = 0.000127$). Areas activated during the experimental procedures included the anterior and middle cingulate area, precuneus, and frontal area. It was concluded that instructions to a healer to make an intentional connection with a sensory isolated person can be correlated to changes in brain function of that individual. Dr. Todd Richards is professor of radiology at the University of Washington. He performs neuron-imaging research related to consciousness, learning disabilities, pain, and chemical abnormalities in the brain. He teaches classes in advanced MR imaging techniques such as functional brain imaging, diffusion tensor imaging, perfusion imaging, and MR spectroscopic imaging. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2019-05-16	https://youtu.be/lg0PEQ38Seo	Psi and Robots _ Robert Jahn	Random Robot Redux: Replications and Reflections R.G. Jahn*, E.B. Fassassi, J.C. Valentino, and E.S. Hoeger Princeton Engineering Anomalies Research and International Consciousness Research Laboratories A previous program of human/machine anomalies experiments utilizing a randomly driven mechanical robot has been extended with a sequence of new trials specifically addressing particular physical and subjective correlates. Despite the modest size of this database, acquired under less than ideal laboratory conditions, the absolute and statistical scales of the anomalous effects well exceed those typical of experiments of this class. Beyond gross replication of the earlier results, the new data display structural aspects that offer additional insights into the fundamental nature of such mind/matter phenomena in general, and suggest potential pragmatic applications in various technical practices. Details of the results and their interpretations will be included in the presentation. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
TheSSEChannel	2019-06-13	https://youtu.be/lowgtYU7PtM	Will It Be Star Wars or Star Dreams__ Paul Hellyer	Will It Be Star Wars or Star Dreams? Paul Hellyer Now that we know space ships from other planets have been visiting Earth for decades, if not centuries or millennia, we Earthlings are faced with serious choices. If we extend the "welcome mat," instead of treating the visitors as "enemy aliens," we can learn from them and cooperate beneficially. That is only the beginning, however. The opportunity to extend our scientific knowledge in many fields is so vast that it is impossible to catalogue. It may be necessary to begin our quest by unlearning some of the "truths" we were taught, to clear the deck for exploration of the broader reality. Paul Hellyer was first elected in 1949. He subsequently held senior posts in the governments of Lester B. Pearson and Pierre E. Trudeau who defeated him for the Liberal Party leadership in 1968. The following year, after achieving the rank of senior minister, later designated Deputy Prime Minister, Hellyer resigned from the Trudeau cabinet on a question of principle related to housing. A man of many interests, Hellyer's ideas are not classroom abstractions. He was born on a farm and his business experience includes manufacturing, retailing, construction, land-development, tourism and publishing. This multi-faceted career, in addition to a near lifetime in politics, gives Hellyer a rare perspective of world events. In recent years Paul Hellyer has become involved with the extraterrestrial presence and technology. He believes that the time has come for full disclosure of what governments know, and how far advanced they are in replicating the visitor's technology, especially in the field of energy. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
TheSSEChannel	2019-05-03	https://youtu.be/bdY6-xQpBik	UFOs_ Separating Real Science from National Enquirer Reports _ Panel	UFOs: Separating Real Science from National Enquirer Reports Hellyer, Clark, Swanson, Alexander, James Carrion (special guest, International Director of Mutual UFO Network), Wood (Moderator) Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link

TheSSEChannel	2019-04-06	https://youtu.be/n2LAghEH3O8	Self-Organization, Quantum Computation, and Conscious Choice _ Larry Goldberg	<p>Self-Organization, Quantum Computation, and Conscious Choice Larry Goldberg Director, Institute for the Study of Conscious Systems Boulder, Colorado The butterfly effect that makes our weather and climate so difficult to predict also operates in our brains and cells. They, too, are open systems “far from equilibrium,” which are characterized by alternative steady-states and chaotic sensitivity to initial conditions. In living systems, that sensitivity may go down to the quantum level, amplifying, for example, changes in the conformation of proteins or microtubule states that are best described in terms of the indeterministic collapse or decoherence of wave functions. Is it possible that in certain living systems, alternative biological states are somehow represented in wave functions and conscious choice is reflected in the collapse of those wave functions, iteratively favoring the preferred biological state? Evolution would then have selected for those electromagnetic configurations that could exploit the contributions of conscious decision-making to biological self-organization. This paper explores this possibility seriously, as an hypothesis that could be further developed and potentially tested in collaborative research that integrates areas of neuroscience, complexity theory, evolutionary biology, subtle energies research, and quantum theory. We consider, specifically, how electromagnetic oscillations associated with alternative biological states may have an organizing effect on vacuum fluctuations, setting up wave functions that represent these alternatives as options for conscious consideration; and how conscious choice among these options may have “entangled” consequences at disparate physiological locations that iteratively favor the chosen state. If such “bio- quantum computing” does occur, the difference between life and other electromagnetic systems, such as atoms and molecules, may be a difference of degree rather than a difference of kind, implying the pre-adaptation of the universe for conscious life, as well as the possible consciousness of the universe itself. Larry Goldberg is a philosopher of science, environment, and mind who has applied his interdisciplinary methodology to program development at the San Diego Supercomputer Center and the University of California, San Diego; Texas A & M University; the National Center for Atmospheric Research; and the Boulder, Colorado Springs, and Health Sciences campuses of the University of Colorado. He has designed undergraduate, graduate, postgraduate, and public participation programs in global change, computational science and engineering, bioethics, and air pollution control. He has been program chair in recent years of conferences on the convergence of science and spirituality and is writing a book on quantum theory, the brain, and consciousness. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/GOJU6et0oH8	The Case of Spirit Mediumship _ Charles F. Emmons	<p>Phenomenological and Objective Methods in Consciousness Research: The Case of Spirit Mediumship Charles F. Emmons Research by parapsychologists and others into consciousness and survival has involved a variety of scientific methods, most of which have tested claims of alleged phenomena such as ESP, NDEs, reincarnation and spirit mediumship by a process of elimination through mundane explanations. In the case of spirit mediumship, spontaneous and semi- controlled readings have been examined for fraud and information leakage through a kind of detective work. Also, Gary Schwartz, a psychologist, has managed to test spirit mediums in the laboratory using a series of protocols continually refined to prevent communication by normal means. Important evidential cases survive the tests, but possible mechanisms for the phenomenon remain largely unexplained except by various theories of hidden order that are consistent with the evidence. By contrast, sociologists may use methods of studying spirit mediums hip that focus on the perspectives of the participants. Participant observation and ethnographic interviews help reveal the social context and the personal meaning of mediumship for mediums and their clients. Listening to the mediums' own explanations of how they do what they do represents a phenomenological approach. In addition, the researcher can take on the role of spirit medium, thus engaging in "participatory science," in order to bridge the gap between an objective and a subjective understanding of the phenomenon. In terms of the sociology of knowledge, such methods present a dilemma for those engaged in investigations at the edge of normal science. Examples of how objective and subjective methods can be combined to yield potentially greater insight are presented in this paper. Charles F. Emmons is a sociologist at Gettysburg College, author of Guided by Spirit: A Journey into the Mind of the Medium (with Penelope Emmons), Chinese Ghosts and ESP, and At the Threshold: UFOs, Science and the New Age. Current research: "The Scientific Search for Spirit." Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/oNmrB85GWjQ	Repeated Exposure to Hemi-Sync in Workshop Environments _ Cam Danielson	<p>An Investigation into Repeated Exposure to Hemi-Sync® Technology in Controlled Workshop Environments Cam Danielson The Monroe Institute (TMI), through its patented sound technology, has demonstrated changes in focused states of consciousness for thousands of individuals over the last 30 years. While ongoing research at the Institute on the nature of different states of consciousness is yielding rich insights into human development, a continuing challenge for the leadership of TMI is to understand how repeated exposure to Hemi-Sync® technology in controlled workshop environments affects the quality of individual lives. Does repeated exposure to TMI programs increase the capacity of the participants to deal with the demands of their lives in terms of doing meaningful work, developing and supporting mutually rewarding relationships, and in acquiring skills and attitudes that provoke continual growth and development? Analysis of responses from more than 700 TMI program participants to demographic, psychographic (including personality typology), and program effect items demonstrated statistically significant differences in self-efficacy and life satisfaction between those having only attended the initial program – Gateway Voyage – and those attending 3 or more programs. The findings indicate that individuals choosing to attend TMI have a predilection for transformational growth – the radical, vertical leaps in being as opposed to the less risky, more pragmatic, horizontal extensions of being. A challenge of this orientation is finding effective means for managing the tension between what is and what could be. To look too closely for too long at the limitations in “the way things are”, particularly when tolerance is low to begin with based on personality typology, can create bruised sensitivities, alienation, and despair. In effect, why would people with this orientation find much to be happy about? Based on the statistical analysis which clearly indicates respondents who have attended multiple programs have a higher degree of self-efficacy and life satisfaction, the answer to the question of happiness could be a state of ego development beyond self-authoring; a movement towards what Robert Kegan calls self-transforming. The results of this study indicates a group of individuals who recognize the limitations in any perspective and more willingly engage others for the challenge it poses to their worldview as the means for growing more expansive in their experiences – to consciously grow beyond where they are rather than merely having it happen to them as a function of circumstances. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society’s commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/1tepx2LM3GQ	<p>Quantum Mechanics and Consciousness_ A New Measurement _ Bernard Haisch</p>	<p>Quantum Mechanics and Consciousness: A New Measurement Bernard Haisch Calphysics Institute In 1935 Einstein, Boris Podolsky and Nathan Rosen, published the now famous EPR paper that challenged the Heisenberg uncertainty principle: "Can Quantum Mechanical Description of Physical Reality Be Considered Complete?" They argued as follows. Assume that two identical particles, call them A and B, are initially at rest and that they are somehow then propelled in opposite directions. At a given instant, we can measure the position of particle A with perfect precision even according to the Heisenberg uncertainty principle, knowing that we thereby sacrifice any possibility of simultaneously measuring its velocity. Similarly, we can measure the velocity of particle B with perfect precision at that instant even according to the Heisenberg uncertainty principle, knowing that we thereby sacrifice any possibility of simultaneously measuring its position. Owing to conservation of momentum, if the precisely measured position of A is x at a given instant in time, then the precise position of B must be $-x$ at that time. Similarly, if the precisely measured velocity of B is v, then the precise velocity of A must be $-v$. We have seemingly succeeded in determining the precise velocity of A and the precise position of B without having had to measure these quantities. They can be inferred with perfect precision from the value of the other particle. Einstein believed that this thought experiment demonstrated that there were indeed precise values of position and velocity for each particle created at the outset of the experiment, not by subsequent observation, that could be determined in this indirect way. In 1964 John Bell published his now famous inequality showing that a reformulation of the EPR experiment could be experimentally tested. In 1982 Alain Aspect carried out the Bell experiment and found that quantum physics was correct and Einstein wrong. Quantum properties are not real and hidden, but instead are created in the act of measurement. In 2003, Nobel Laureate Anthony Leggett published a more rigorous version of the Bell experiment. A Leggett inequality experiment was carried out recently in the Institute for Quantum Optics and Quantum Information at the University of Vienna and published in Nature in April 2007. Reporting on this New Scientist said: Their results, published in 2007, suggest "...that there is nothing inherently real about the properties of an object that we measure. In other words, measuring those properties is what brings them into existence." (New Scientist, 23 June 2007) Or as quantum researcher Vlatko Vedral of the University of Leeds puts it: "Rather than passively observing it, we in fact create reality." Quantum mechanics is now telling us unambiguously that consciousness creates reality. And since quantum physics is at the root of everything, this has profound consequences for the interpretation of our own nature, the universe, and, yes, even why it may make more sense to trace everything back to a conscious intelligence rather than inanimate fields and forces. Bernard Haisch, Ph.D., Calphysics Institute, is an astrophysicist and author of over 130 scientific publications. He served as a scientific editor of the Astrophysical Journal for ten years, and was Principal Investigator on several NASA research projects. After earning his Ph.D. from the University of Wisconsin in Madison, Haisch did postdoctoral research at the Joint Institute for Laboratory Astrophysics, University of Colorado at Boulder and the University of Utrecht, the Netherlands. His professional positions include Staff Scientist at the Lockheed Martin Solar and Astrophysics Laboratory; Deputy Director of the Center for Extreme Ultraviolet Astrophysics at the University of California, Berkeley; and Visiting Scientist at the Max-Planck-Institut fuer Extraterrestrische Physik in Garching, Germany. He was also Editor-in-Chief of the Journal of Scientific Exploration. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-03	https://youtu.be/9B7Ma-BiSDQ	UFOs_ The Good News and the Bad News _ John B. Alexander	<p>UFOs: The Good News and the Bad News John B. Alexander This presentation addresses both the overwhelming evidence supporting the physical reality of UFOs and how institutions respond. A central thesis is that the U.S. Government is not involved in UFO research. That statement is made after many years of direct involvement in the field and attempts to interest various organizations in conducting appropriate studies. This includes firsthand experience in briefing senior leaders in many governmental and civilian industrial organizations. Included in the presentation is a description of activities designed to create Congressional Hearings on the topic. While there was such a proposal from a Congressman in position to initiate hearings, powerful opposing forces were encountered. However, once the UFO proponent group, The Disclosure Project, held their noisy accusations at the National Press Club in Washington in 2001, all existing support quickly dissipated. Addressed are the basic problems in reasoning espoused by many UFO enthusiasts. Most pronounced is their inability to distinguish between the personal interests of government employees and official organizational involvement in the topic. There are many people in government positions that have had personal observations of UFOs. That, however, does not translate into official programs based on established requirements to either collect data or conduct research on the topic. Despite extensive evidence of national security implications from UFO interactions, and dangers to commercial aircraft, there is a total lack of institutional support for research. Given the severe budgetary constraints imposed by the war in Iraq, propensity for new research is likely to get worse. Unfortunately, we are still living with the effects of the fatally flawed Condon Report. Recorded at the 27th annual SSE Conference in 2008 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-22	https://youtu.be/JpGXD0A4I7w	<p>Examining Experimenter Effects in Investigations of Psychokinesis _ Mark Boccuzzi</p>	<p>When designing experimental methodologies and analyzing study results, it is important to keep in mind the potential impact of the experimenter's consciousness. These effects may result from conscious intention or subconscious desire (the latter of which may oppose the former). This presentation aims to explore the methods and outcomes from three different experiments varying in experimenter belief, desire, and intention. In the first experiment, the output from a random event generator (REG) is collected during forty 30-second trials. Each trial has an overall result of either 'high' (more ones than zeros) or 'low' (more zeros than ones). Software was developed to generate a hidden file containing a list of success criteria (i.e., high or low) for each of the 40 trials. With no outside influence, 50% of the listed criteria should match the outcomes for the respective trials. What happens, though, when the experimenter--- who strongly believes in the effect of his consciousness on the outcome---sets the generalized intention that "the experiment is successful"? The second experiment uses no electronic equipment and examines macro-psychokinesis in the form of changes in air pressure by employing an air-tight chamber (roughly 1 cubic ft.), the opening of which is tightly fitted with a latex membrane. A small optical mirror is affixed to the membrane so that changes in air pressure within the chamber affect the orientation of the mirror. A tripod mounted laser is aimed at the mirror so that the beam reflects to a target roughly 10 feet away and any movement of the membrane due to changes in air pressure can be determined by the shift in the beam visible on the target. In this case, the experimenter does not believe that his consciousness can alter air pressure, but he has confidence that deceased people or other non-physical consciousnesses might be able to cause changes. Will there be a difference between the distance the beam moves during control sessions and sessions in which the experimenter invites the pressure to change? In the third experiment, a target area is designated in a darkened room and bisected with a laser light source. Deceased individuals are invited to attempt to "push" more ambient dust into the visible beam during active periods of data collection. The numbers and position of highlighted airborne particulates are tracked and quantified: digital images of the target area are captured using extended exposures from a remotely triggered, tripod-mounted digital camera and the resulting images from active and control sessions are analyzed using particle analysis software. Will more dust enter the beam during active periods? The data collected to date, conclusions drawn, potential implications, limitations, and value of these research protocols will be discussed. Mark Boccuzzi, researcher and Director of Operations at the Windbridge Institute for Applied Research in Human Potential, is currently an associate member of the Parapsychological Association. Mark's research interests include intuition, animal psi, applied psychokinesis, photographic anomalies, distant mental interactions on living systems (DMILS), and instrumental transcommunication (ITC). He is the recipient of a 2011-2012 research grant from the Helene Reeder Memorial Fund for Research into Life after Death for a project titled "Invited Ostensible Discarnate Interactions with Electronic Equipment" and he has served as a researcher on two Windbridge Institute projects funded by the Bial Foundation. Mark's research has been presented at the Toward a Science of Consciousness and the International Society for the Study of Subtle Energies and Energy Medicine (ISSSEEM) conferences and has been accepted for publication in the Journal of Scientific Exploration. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/OqeBWr6s0Cs	Non-Local Distant Interactions Between Biological Systems _ Glen Rein	<p>Non-Local Distant Interactions Between Biological Systems Glen Rein Anomalous non-local interactions between biological systems cannot be explained by any existing scientific traditional paradigm. New experimental data clearly indicate that bio-information can be transferred (via coherent light) between two biological systems. Experimental evidence is now available demonstrating the macroscopic quantum properties of biological systems including coherent excitations, quantum coherence, quantum tunneling and single-photon phenomenon. Non-local interactions between humans has been demonstrated clinically using intercessory prayer and healing at a distance. At the cellular level, new data indicates that light can carry bio-information between cellular systems. Garieaev demonstrated that a laser, passed through a salamander embryo, could carry genetic bio-information and deliver it to a frog embryo. DNA in the frog embryo could decode this information and use it to mature into a salamander. Around the same time, the author did a similar experiment, except used a chemical drug as the source of information. In these experiments, a laser was passed over powdered MAO inhibitor and projected onto nerve cells in tissue culture. Although the unmodulated laser had no effect on MAO enzyme activity when measured in the treated cells, a modulated laser did in fact alter the enzyme activity. However, the net effect was not to inhibit the enzyme, but to increase its activity. Thus the information carried by the laser did not duplicate the drug, but produced the opposite, homeopathic effect on the enzyme. More recently Sargsyan extended both of these studies using a Bioscope device which utilizes light reflected at a glass surface with a black paper backing. When a biological system is placed 15 mm away from the far side of the reflecting surface, bio-information is transferred and carried by the light. Using a photodiode to measuring the fluctuations in the intensity of the modulated light, Sargsyan obtained frequency information about the original biological system. The results suggest the presence of a quantum holographic energy/information system, which underlies/permeates all matter. These anomalous results can be readily explained if we consider distant communication between two biological systems as a coherent interaction between two quantum systems. Accordingly, several theoretical models have been proposed based on the quantum properties of biological systems. These involve quantum entanglement, quantum superposition and the spontaneous collapse of the wave function. It is proposed here, that quantum fields are emitted and detected by each quantum system which carry and transfer quantum information between biological systems. Glen Rein has a PhD in biochemistry, was an Assistant Professor at Mt. Sinai Med School & did product development in a Fortune 500 Company for 14 years. Currently doing contract and original biomedical/biophysics research under Quandum Biology Res Lab. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-06-18	https://youtu.be/G0IXAEjA7-I	Coherence_ Bridging Personal, Social and Global Systems Health _ Rollin McCraty	<p>Coherence: Bridging Personal, Social and Global Systems Health Rollin McCraty Institute of HeartMath This presentation will focus on interconnectivity between people, people and animals, and with the earth itself. Topics covered include: heart coherence and how it facilitates intuition, data showing that the frequencies and resonances in the earth's magnetic field overlap with both heart and brain rhythms and impact human health and behaviors. An overview of the Global Coherence Initiative and how new magnetic sensors are being utilized to study the earths energetic systems will be discussed. Learn more about how important it is that people take responsibility for their own energy and elect to use such creative energy influxes to create deeper connections and more caring interactions with each other and Mother Earth. Rollin McCraty, Ph.D. of Boulder Creek, California, has been with the Institute of HeartMath since its creation in 1991. He is IHM's executive vice president and director of research. A psychophysicologist, Dr. McCraty's research interests include the physiology of emotion, with a focus on the mechanisms by which emotions influence cognitive processes, behavior, and health. A fellow of the American Institute of Stress, McCraty is a member of the International Neurocardiology Network, American Autonomic Society, Pavlovian Society and Association for Applied Psychophysiology and Biofeedback. He and his team regularly participate in studies with scientific, medical and educational institutions worldwide, including Stanford University, Arizona State University, Wake Forest University, and Clemson University. His research has appeared in many journals, including the American Journal of Cardiology, Journal of the American College of Cardiology, Stress Medicine and Biological Psychology. www.heartmath.org. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-05-16	https://youtu.be/SM3GfQKNtJE	Premonitions and other Psi in Reliability Engineering _ John MacLean	<p>Premonitions and other Psi in Reliability Engineering John MacLean Utah Valley University I teach two classes at Utah Valley University in Orem, Utah in which we examine in the last week of class several PSI related subjects. These classes, Technology and Human Life, and Understanding Technology, are lower division University courses. In the first we consider the social, ethical and legal issues with developing technology and in the second, just understanding how current technology works. Many of my students are married with families and work full time in technology related vocations. They tend to be very pragmatic. I only discuss in class, PSI related science that is backed up by good statistics. During one session, a crusty construction fellow inquired, "What's the Point?" He expressed the feeling of many that things like Premonitions, Remote Viewing, Telekinesis, Telepathy, and others, have no practical value and may not even be real. We have, I think, a responsibility to develop and communicate how these phenomena can be useful to society. In that regard, this presentation will show how Premonitions and possibly some other phenomena are vital in the Reliability and Safety aspects of Aviation and other safety critical vocations including operating room personnel, ship bridge crews and industrial plant employees. One vital process for these people and indeed, even all of us, is Situational Awareness, or knowing what is going on around us. Early work in this area was done by Dr. Robert Helmreich at the University of Texas Psychology Department (ret) under a NASA contract. Training in this area is required by the FAA for all commercial aviation crews and has been found extremely valuable in many other areas. We teach how to recognize when Situational Awareness is being lost, using 11 clues to losing it. One of these is the presence of a gut feeling that something is wrong. This is a good definition of a premonition. We will discuss how this relates to the other clues and how there may be some other PSI phenomena operating in conjunction. Some examples of this in actual operations will be given. Some rationales for ignoring such warnings will be explored. John MacLean was born in a coal camp ghost town in Utah and grew up in Sheridan, Wyoming. He attended the University of Wyoming, and University of Utah where he received a BS in Chemical Engineering. After a successful career in the Oil Industry, including 20 patents, he received a Masters in Technology at Eastern Michigan University. During a period of consulting engineering, John became connected with the Society for Scientific Exploration at their Santa Fe meeting in the early 90's. John has been active in the SSE ever since and hosted the 25th annual meeting in Utah and has served on the council for 6 years. John has taught in the Utah Valley University department of Technology Management since 2000. He has included PSI related technologies in his curriculums of two classes for the last two years. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-03-11	https://youtu.be/Jn1bF-8y-vs	Subjective States and Conscious Awareness in Anomalous Healing _ William F. Bengston	<p>Subjective States and Conscious Awareness in Anomalous Healing William F. Bengston St. Joseph's College Data from experiments which tested 1) the effect of healing with intent on cancerous laboratory mice, and 2) fMRI brain correlates to healing, are selectively summarized to address the question of whether there is a connection between conscious states of mind and healing efficacy. The alternative and complementary medical community has enthusiastically embraced spirituality and selected altered states of consciousness as positive corollaries to healing. A transcendent experience of wonder is often taken as a sign that a larger force can work through both the healer and healee to produce medically verifiable improvements that would not otherwise occur. Similarly, it is widely assumed that both the healer and healee's state of mind can have direct and powerful implications for healing efficacy. In these experiments, however, volunteer healers with no previous experience or belief in healing with intent were successful in producing full lifespan cures in mouse cancer models that are normally fatal. Further, fMRI brain data indicate a non-conscious response in the brain of the healer to the need for healing. Successful healing has been produced by volunteers who have experienced a wide range of subjective sense of connection (and lack of connection) to their experimental mice, and fMRI data indicate a strong and reliable difference in healer brain output in which the healer and experimenter were blinded as to the health needs of experimental animal subjects. While it may initially seem reasonable to conclude that the subjective sense of connection may not be necessary to affect healing, methodological complications resulting from an apparent resonant bonding between experimental and control groups render interpretation problematical. These resonant bonds are interpreted as fluid, with the potential of being either strengthened or weakened by both consciousness and shared experience. Bill Bengston is a professor of sociology at St. Joseph's College in New York, and President of the SSE. His research has produced the first successful full lifespan cures of transplanted mammary cancer and methylcholanthrene induced sarcomas in experimental mice by "energy healing" techniques that he helped to develop. He has also investigated assorted correlates to healing such as geomagnetic micropulsations and EEG harmonics and entrainment. wbengston@sjcny.edu Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-04-06	https://youtu.be/5gZxt9JUB-Q	The Bell Inequality and Nonlocal Causality _ Chuck Lear	<p>The Bell Inequality and Nonlocal Causality Chuck Lear Weber State University Ogden, Utah The Freedman-Clauser experiment in Berkeley and the Aspect experiment in Orsay were the defining physical experiments demonstrating nonlocal causality in quantum mechanics. They each counted coincidence measurements on entangled polarized photons from a common source. Our presentation begins with a brief discussion of the quantum mechanics of polarized photons. We show an example of the changes in the count rates when the polarizers are changed under assumptions of local causality. This causes a contradiction with quantum mechanical predictions. The example uses a logical flow and the algebra of inequalities. It constitutes a conditional proof of the Bell inequality. Next we discuss the experimental background and the events leading up to it. We discuss several hypotheses in explanation, of which our favored is the time reversal of cause and effect. A few of the current physical research avenues of entanglement will be shown. Chuck (Charles) Lear is currently an adjunct instructor of undergraduate physics at Weber State University in Ogden, Utah. He has held that position for the last seven years. He retired from TRW at Hill Air Force Base in Ogden in 2000 after a 40-year career as a systems engineer. Most of his work was done for the Air Force ballistic missile programs, and involved propulsion, trajectory analysis, nuclear weapons effects and systems survivability. He is the author of six technical papers in various fields. His devotion to paranormal physics for the past 20 or so years is evidenced by the fact that all his work in the field has been done without financial support. It includes a compendium of the basic physics principles supporting paranormality, work on a consciousness-based description of quantized spacetime, and coordination of efforts to bring Chinese work in the paranormal fields to the attention of western scientists. Mr. Lear holds masters degrees in both physics and engineering from the University of California, and has resided in Ogden with his wife Beverly for the last thirty years. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2019-07-25	https://youtu.be/WPq47e5QKOE	Can the Mind Exist without the Body_ _ Julie Beischel	<p>Anomalous Information Reception by Research Mediums under Quintuple-Blind Conditions: Can the Mind Exist without the Body? Julie Beischel Continued investigations regarding the survival of consciousness beyond physical death are critical for our understanding of consciousness, the potential of the mind, and the nature of life in general. One of the main survival research methods involves studying mediums-individuals who report regular communication with the deceased. The current ongoing study addresses the research question at the heart of mediumship research: Can mediums report accurate and specific information about the deceased loved ones (termed discarnates) of living people (termed sitters) using anomalous information reception; that is, without any prior knowledge about the discarnates or sitters, in the absence of any feedback, and without using deceptive means? In order to control for all traditional, local, and sensory explanations for the accuracy of the mediums' statements (e.g., cold-reading, cueing, generality, rater bias, fraud), Windbridge Certified Research Mediums (WCRMs) answer specific questions about discarnates during readings performed under quintuple-blind conditions which involve the blinding of the mediums, the sitter-raters, and three experimenters interacting with the participants at various stages of the study. In addition, the WCRMs are not provided with feedback about the scores sitter-raters give the readings in order to address precognition as an explanation for positive results. The item-by- item and whole reading scoring data collected to date as well as the implications of the findings regarding the relationship between the mind and the body will be discussed. Julie Beischel, PhD, is Director of Research at the Windbridge Institute for Applied Research in Human Potential (www.windbridge.org). She received her doctorate in Pharmacology and Toxicology with a minor in Microbiology and Immunology in 2003 from the University of Arizona. She is a full member of the Society for Scientific Exploration and the Parapsychological Association and serves on the scientific advisory boards of the Rhine Research Center and Forever Family Foundation. Dr. Beischel's academic training in several interdisciplinary scientific fields allows her to design and apply traditional research methods to investigating more unconventional phenomena. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/ynxD-BaDxRk	Faster-than-light Space Travel__ Richard Amoroso	<p>Faster-than-light Space Travel? Richard Amoroso Noetic Advanced Studies Institute Skeptics say it may take 1,000 years and require an energy source the size of Jupiter to operate superluminal or faster than light (FTL) warpdrives. The Alcubierre warp drive metric (considered most advanced); as derived from Einstein's field equations, $R_{\nu\mu} - (g_{\nu\mu}R)/2 + g_{\nu\mu}\Lambda = (8\pi G/c^4)T_{\nu\mu}$, or in general form: Utilizing advanced principles inherent in a Holographic Anthropic Multiverse (HAM), radical improvements to the Alcubierre warp drive model occur that could lead to FTL travel with existing technological prowess. Based on a radical extension of the Holographic Principle assuming a form of 'Heisenberg Potentia' inherent in an HD absolute space, simplistically the drive mechanism is a holographic figure-ground effect. The local spaceship (figure) is removed (put in free-fall relative to the background) from the infinite potentia. Then through manipulation of a 12D complex form of a covariant Dirac polarized vacuum (string theoretic) the external domain wall or interstice between the ships warp bubble and the Alcubierre metric becomes a coherently controlled stochastic barrier of leapfrogging mini-wormholes key to the drives operation: 1) Shield (ship bubble) constructed from inherent infinite vacuum energy by coherently controlled constructive interference of continuous-state 12D brane mirror symmetry resonance modes of the HAM close-packed cosmological least-unit backcloth structure. 2) The Alcubierre solution is utilized with minimal curvature because of a new set of unitary transformations beyond the Galilean-Lorentz-Poincaré. 3) The miniwormholes arise in a periodic gravitational shock-wavefront interference of the local relativistic (luminal form) and new nonlocal holographic (complex instantaneous form) of the duality of gravitational modes of unified theory. In this interpretation the 'Warp Factor' becomes a beat frequency tier of coupled uncoupled modes of the spherical shell within the figure-ground leapfrogging oscillation, $R \leftrightarrow R'$. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/bBp_SPJAOJc	Challenges to the 2nd Law of Thermodynamics _ Daniel Sheehan	<p>Challenges to the 2nd Law of Thermodynamics Daniel Sheehan University of San Diego Over the last 15 years the absolute status of the second law of thermodynamics has come under increased scrutiny. More than two dozen distinct challenges have appeared in the refereed scientific literature—more than the sum total over the previous 150 years—raising the possibility that the second law might soon be shown violable in laboratory experiments. This talk will survey recently proposed challenges from a number of research groups around the world, focusing on those most amenable to laboratory test. Possible ramifications of second law violation will also be discussed, the most significant of which might be the recyclability of environmental heat into usable work. The thermal energy content of the atmosphere, ocean, and upper crust is estimated to be more than 10,000 times that of the world's fossil fuel reserves, making it a potentially inexhaustible reservoir of green energy. 1) "Challenges to the Second Law of Thermodynamics: Theory and Experiment" V. Capek and D.P. Sheehan; Fundamental Theories of Physics, Vol. 146 (Springer, Dordrecht, The Netherlands) 2005. 2) "Quantum Limits to the Second Law" D.P. Sheehan, Editor; AIP Conference Proceedings, Vol. 643 (AIP, Melville, NY) 2002. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2011-05-05	https://youtu.be/hn8hqX9JBOE	Mach's principle_ practical space travel_ James Woodward	<p>Mach's Principle and the Propulsion Problem James Woodward California State University Fullerton How one views the propulsion problem depends on how ambitious one is. The least ambitious version deals with the problem that serious deep space travel is all but made impossible by the requirement that one take along ridiculous amounts of propellant to get anywhere interesting in a reasonable amount of time. This version of the problem can be stated as: Is there a way to accelerate an object without expelling material propellant? The more ambitious version of the problem addresses the issue of whether it is possible to make practicable wormholes. These have been known since the work of Morris and Thorne in 1988 to require a Jupiter mass of negative restmass material confined in the throat of the wormhole. Mach's principle leads to the prediction of transient effects that can be used to address both versions of the propulsion problem. These effects and their implications are briefly reviewed. An experiment designed to test for the presence of Mach effects that may be applicable to the less ambitious version of the propulsion problem is then described. The effect in question is a mass fluctuation that results when an object is accelerated while its internal energy is changing. It consists of accelerating a capacitor with a piezoelectric actuator as the capacitor is driven with an alternating voltage to produce the changing internal energy needed. Recorded at the 30th annual SSE Conference in 2011 at the Millennium Harvest House in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2011-05-05	https://youtu.be/OevaFe4kLNs	Overunity, Advanced Propulsion, 2nd Law _ Daniel Ward	<p>Overunity, Advanced Propulsion, 2nd Law Daniel Ward Halexandria Foundation By means of an extension to Classical Mechanics and Electromagnetics -- not unlike the changes due to Special Relativity's modification of Newtonian mechanics, or Nassim Hamein's addition of torsion and Coriolis forces to Einstein's field equations -- it is possible to postulate an advanced propulsion system requiring no propellant mass, as well as, potentially, an "over-unity" energy system which requires no fuel. Classical mechanical and electrical systems appear to be enhanced by taking into account a higher order differential term... even to the extent of this extension of the physics impacting the Second Law of Thermodynamics. By adding a single linear term to the traditional equations, we are able to account for extreme and/or sudden changes in the rate of acceleration in either a particle or an electric charge (or a larger collection of the same), as well as taking advantage of a time constant related to the apparent size of the system in question. The larger the time constant and/or the greater the rate of change of acceleration -- i.e. the more the radical the change of pace -- the greater the effect. The addition of this single linear term was first introduced by William O. Davis and elaborated upon by G. Harry Stine, and effectively transformed the mathematical descriptions from second order differential equations into third order differential equations. Arthur Young has, separately, referred to this third order differential term as "control", thereby implying a possible link to consciousness. The presentation will describe additional mathematics and physical results. The mathematical equations and solutions can be shown, for example, to be relevant to various specialized areas of physical research, including: Sonoluminescence, Special Relativity, and Mach's Principle... as well as being applicable to advanced propulsion systems, resonance systems, connective physics, and a host of other physical, albeit some relatively mundane, phenomena. The latter includes aspects of: Karate, tornadoes, hammering, homeopathy, chiropractic, and head banging. Specific discussions on several of these enhancements are included in the presentation.. Daniel S. Ward is currently Chief Scientist of Halexandria Foundation, former Associate Professor of Physics and Civil Engineering at Colorado State University, and Chief Executive Officer of Quantum Genesis, LLC. Dr. Ward's interests include nuclear physics, cosmology and solar system physics, as well as geometrical forces, ancient history, and various extensions of evolutionary theory. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/DEq8ZhMwJo	SSE Talks - Torsion, the Aura, and Biophotons - Claude Swanson	<p>http://www.scientificexploration.org ----- Descriptions of the human aura go back thousands of years in Chinese medicine and Hindu yoga. Its existence and general properties are universally acknowledged by energy healers, who say that assessing and manipulating the components of the aura are an integral part of many healing practices. As evidence has mounted in recent years that energy healing works, and is even effective over thousands of miles, yet questions remain: What is the nature of the aura? What is it made of? What role does it play in long range healing? Dr. Swanson has recently completed a comprehensive study of subtle energy and the role it plays in energy medicine. This is summarized in his new book, Life Force, The Scientific Basis, a comprehensive study of subtle energy. In it, he develops a model based on physics which explains the nature of the aura. It is based on a form of energy called "torsion," which interacts with particle spins, and was discovered in Russia in the 1950's. Torsion has undergone extensive verification and is believed by Russian scientists to be the same thing as subtle energy. Torsion is produced whenever a particle undergoes a spin flip. When absorbed it causes a spin change in the absorbing particle. As a result, it is produced whenever electromagnetic energy is produced. Consequently, the biophoton field inside the body is accompanied by a torsion field which has similar frequency and structure. One difference is that the biophoton field is kept primarily inside the body, while the torsion field extends beyond the body. F.-A. Popp has shown that the biophoton field has phase coherence and other properties needed to create a hologram inside the body. It serves as a template to guide growth and repair processes within the body. Outside the body the torsion field has a similar holographic structure, which creates the layers and chakras described by healers. According to Russian research, the torsion field has components which travel faster than light as well as a component which travels backwards in time. This has been verified experimentally in astronomical measurements using torsion detectors. These factors, together with its coupling to the biophoton field, make torsion the ideal candidate as the carrier of long distance healing and consciousness information. It explains how healers are able to affect their clients over thousands of miles, as well as how QiGong masters are able to affect physical phenomena at long range. It may also be the underlying "force" which mediates other psychic phenomena, such as ESP, PK and remote viewing. A method of focusing called "four dimensional holography" is proposed to explain how consciousness phenomena operate over great distances without weakening, and how the effects can be received either earlier or later than the transmission. It explains how QiGong healers can project their influence with pinpoint accuracy and how this force can affect a wide variety of physical phenomena. This model also has application to other effects related to non-local consciousness. Figure 1. Holographic fields of biophotons, inside body, and torsion field forming aura, outside body. Dr. Swanson was educated as a physicist at MIT ('69) and received his Ph.D. in physics from Princeton University (1976). He has worked as a consultant in applied physics for more than two decades, as well as pursuing research into the physics of anomalous phenomena. His primary interest is in identifying areas of anomaly and developing an expanded physics model which can account for such phenomena. He has written a book, "The Synchronized Universe-New Science of the Paranormal," summarizing some of his findings. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/3RWX9XGCdm0	SSE Talks - Evidence Neutrinos affect Nuclear Decay - Peter Sturrock	<p>http://www.scientificexploration.org ----- Analyses of data acquired during two experiments at the Brookhaven National Laboratory (BNL) and one at the Physikalisch-Technische Bundesanstalt (PTB) in Germany have yielded strong evidence for an annual variation of some nuclear decay rates. Since the Sun-Earth distance varies with an annual period, it is reasonable to suspect that some kind of radiation from the Sun may be playing a role. We have found that the low-energy solar-neutrino flux exhibits a periodicity of about 12 year⁻¹, suggesting that the solar core rotates at this (synodic) frequency, which is slower than the rotation rates of either the convection zone of the radiative zone. If neutrinos play a role in influencing nuclear decay rates, the same periodicity may be manifested in decay measurements. We have therefore carried out power-spectrum analyses of measurements made at BNL over a 7-year interval of the decay rates of ³²Si and ³⁶Cl, and of measurements made at PTB over a 15-year interval of the decay rate of ²²⁶Ra. These analyses yield evidence for periodicities compatible with the estimated rotation rate of the solar core. These results pose challenging questions for nuclear physics and for solar physics. Do neutrinos affect decay rates? If so, what does that tell us about neutrinos? Furthermore, if beta-decay rates vary in time, this may influence the planning of medical radiation treatments. It may also affect estimates, based on carbon dating, of the dates of early events and ancient artifacts. The work of PAS was supported in part by the National Science Foundation through grant AST-0097128. . P.A. Sturrock (a), J. B. Buncher (b), E. Fischbach (b), J.T. Gruenwald (b), D. Javorsek II (c), J.H. Jenkins (b), R.H. Lee (d), J.J. Mattes (b), J.R. Newport (b). a) Center for Space Science and Astrophysics, Stanford University, Stanford, CA 94305-4060, USA b) Department of Physics, Purdue University, West Lafayette, IN 47907, USA c) 416th Flight Test Squadron, 412th Test Wing, Edwards AFB, CA 93524, USA d) Department of Physics, United States Air Force Academy, CO 80920, USA Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/K3x5QHD7Ewo	SSE Talks - Remote viewing the Stock Market - Christopher Carson Smith	<p>Ten inexperienced remote viewers attempted to predict the outcome of the Dow Jones Industrial Average (DJIA) using a protocol known as associative remote viewing (ARV). ARV was developed in 1984 by Russell Targ and Harold Puthoff, making use of trained viewers to predict future events. Since that time, there has been limited experimentation resulting in few publications, despite indications that suggest that the ARV protocol works and can be easily repeated. The current experiment used ARV with untrained viewers. The participants were drawn from a University of Colorado class and had no formal training in ESP or remote viewing prior to the start of this project. For each trial the tasker chose two images, one that he linked to a DJIA rise and the other to a fall. He did not reveal either image to anyone until the end of the market day, which was a day or two after the ARV session. For the first five minutes of seven successive class sessions, the students were tasked to describe an image that was to be shown to them after the close of the market on the designated day. The tasker and other judges compared the viewers' drawings to the two images and judged which image each drawing was closer to. The image that the majority of viewers' sessions was judged to most closely resemble was used to predict the outcome of the market and guide the investment. The results are shown in the table, where D and U indicates down or up predictions, respectively, and M indicates mixed predictions which could not be linked clearly to either image. The number following the letter indicates the judged quality of correspondence of the drawing to the image. Using this ARV protocol, the participants successfully predicted the outcome of the DJIA in seven out of the seven trials (binomial probability test, p less than .01). Investments in stocks were made based on the outcomes of the amateur remote viewers' sessions resulting in a significant financial gain over a short period of time. From this experiment it appears that ARV can be used by untrained and inexperienced subjects with success, at least for limited runs. http://www.scientificexploration.org -----</p> <p>Stock Market Prediction Using Associative Remote Viewing with Untrained Viewers This experiment is one of the student experiments carried out as part of Edges of Science, an Honors course offered at the University of Colorado in Boulder. Christopher Carson Smith, Darrell Laham, and Garret Moddel Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/wfPoEBF-5ac	SSE Talks - Paradigm Argument against ESP - Paul Smith	<p>http://www.scientificexploration.org ----- What I call the "Paradigm Argument Against Psi" (or PAAP) is a favorite for those who wish to deny the reality of ESP or other psi phenomena, yet have no ready counter to the substantial body of well-attested evidence now available supporting the existence of these phenomena. I will not go into that evidence here. Rather, my current purposal is a philosophical and strategic one, in which I will argue that the Paradigm Argument is not merely flawed, but in fact gains no purchase whatsoever against evidence-based arguments in favor of ESP and other psi phenomena. A fairly common formulation of the PAAP goes something like this: In order for a phenomenon to be accepted as real, it must be explainable as a part of an accepted explanatory framework. The existence of a truly unexplainable phenomenon suggests that the paradigm within which explanations are made must be expanded or replaced. But without a clear account of the causal basis for said phenomenon - and hence an explanation that provides a sufficient alternative to the current explanatory framework - it is not reasonable to significantly alter or abandon the current paradigmatic scaffolding merely to allow us to accept an otherwise explanatorily recalcitrant phenomenon. It is more reasonable instead to reject the recalcitrant phenomena than it is to reject or seriously revise a paradigm that seems to work for most other phenomena and features of the universe. Psi phenomena are unexplained by the current paradigmatic explanatory framework of science. Therefore, we should reject psi phenomena and leave the paradigm as it is. Physicalism, the doctrine that everything in the universe is physical or the consequence of physical facts, is taken to represent the dominant paradigmatic context. To the degree that psi or ESP phenomena violate physicalist theory they must, by this argument, be rejected. I argue that this entire anti-psi argument is ill-formed and mistaken. This is because what the argument takes to be an acceptable paradigmatic context - physicalism - is in fact rife with unsupportable metaphysical assumptions and is therefore itself unsuited as a sufficient explainer of what there is. Moreover, it provides inadequate grounds to reject psi and ESP phenomena as not real or relevant to science. I will argue in detail for my thesis, starting relevant arguments from both pro- and anti-psi theorists, but going beyond to pose a new argument that shows the inherent weakness in the physicalist position. Major Paul H. Smith, US Army (ret.) was an original member of the army's Stargate remote viewing program. He is founder of RVIS and president of the IRVA. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2011-05-05	https://youtu.be/bPo8zNPII5s	SSE Talks - 9_11 Geomagnetic Anomalies - Richard Shoup	<p>http://www.scientificexploration.org ----- Some unusual geomagnetic activity on 9/11 2001 is examined. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2011-05-05	https://youtu.be/7IBDve65dAo	SSE Talks - Proell Effect, Energy Devices, Maxwell&% 2339;s Demon - Kenneth Rauen	<p>http://www.scientificexploration.org ----- Maxwell's Demon is a legitimate challenge to the universality of the Second Law of Thermodynamics when the "demon" is executed via the Proell effect. Thermal energy transfer according to the Kinetic Theory of Heat and Statistical Mechanics that takes place over distances greater than the mean free path of the gas circumvents the microscopic randomness that leads to macroscopic irreversibility. No information is required to "sort" the particles, as no sorting occurs. The Proell effect achieves quasi-spontaneous thermal separation without sorting by the perturbation of a heterogeneous constant volume system with displacement and regeneration. The classical analysis of the constant volume process, such as found in the Stirling Cycle, is incomplete and therefore incorrect. There are extra energy flows that classical thermo does not recognize. When a working fluid is displaced across a temperature gradient through a regenerative heat exchanger, complimentary pressure-volume compression and expansion work takes place that transfers energy between the regenerator and the bulk gas volumes on the hot and cold sides of the constant volume system that is not recognized by classical thermo, but which completely conforms to classical thermo. Heat capacity at constant pressure applies instead of heat capacity at constant volume. The increased energy flow represented by the heat capacity ratio, gamma, represents such a large increase in the heat that can be recycled in a regenerator that it can exceed the Carnot limit in certain cycles. Heat engines and heat pumps have been designed from this concept, and a US patent has been awarded. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/7PTY6n7luRQ	SSE Talks - Consciousness, Observer Effects, and Probability - Paul Racette	<p>http://www.scientificexploration.org ----- The nonlinear effect of observation methodology is one of the most perplexing aspects to modeling non stationary processes. The outcome of an observation depends on the perspective with which the observation is made; in other words, the observed statistical moments depend on the time, location, interval, orientation, sampling methodology, etc... The lack of well-developed techniques for modeling changing statistical moments in our observations has stymied the application of stochastic process theory for many scientific and engineering applications. These limitations were encountered when modeling temporal effects of calibration frequency on the performance of a radiometer with non stationary receiver fluctuations. In radiometer systems, frequent calibration using noise references is used for reducing the effect of fluctuations in the instrument. Calibration, as it turns out, is key to studying and characterizing non stationary processes. The development of a generalized approach for comparative analysis to modeling radiometer calibration system architectures has led to Ensemble Detection and Analysis (EDA) as a new method for studying and characterizing non stationary processes. Ensemble samples of a process are collected by mixing a signal with calibrated noise. In stochastic process theory, the ensemble expectation operator is evaluated from an ensemble set of series existing over an interval. Alternatively, a process is treated as a single series of events with each event modeled as a random variable with a conditional probability density function; the process is then described by a Probability State Function (PSF). The mathematical symmetry between the PSF and EDA permits comparison of uncertainty of model and data. Unprecedented agreement is achieved between measurements and model calculations. The mathematical framework gives structure to an Observation Theory that links our expectations to observed outcome. This presentation will describe and explore the applications and implications of the theory. Paul Racette, DSc. NASA Goddard Space Flight Center, Greenbelt, Maryland 20771. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/SxBfJAdsh6o	SSE Talks - Macroscopic Quantum States_ - Sky Nelson	<p>http://www.scientificexploration.org ----- Retroactive Event Determination and the Interpretation of Macroscopic Quantum Superposition States in Consistent Histories and Relational Quantum Mechanics We suggest a pair of postulates which unify two current models of quantum theory into a broader picture of reality, giving a physical interpretation of Macroscopic Quantum Superposition (MQS) states. Relational Quantum Mechanics (Rovelli, 1996) (RQM) and Consistent Histories (Griffiths, 2003) (CH) are discussed and related to the postulates. By dropping the assumption that unobserved macroscopic events are "in a definite state" determined independent of an observer, we arrive at a surprising but consistent theory of quantum macroscopic reality (with fewer fundamental assumptions about everyday reality) that does not contradict experiment or everyday experience. As a result, a concept herein termed "retroactive event determination" is identified as a quantum principle (in CH) and extended to a macroscopic principle. The implications of this on the flow of time, the phenomena of synchronicity and the question of fate versus free will are discussed. Finally, we look at how similar concepts are already in use in the design of multiplayer online video games, in order to create an efficient and consistent "virtual reality." Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2011-05-05	https://youtu.be/4g1rfSgmEds	SSE Talks - Free Energy, Vacuum Energy, LENR, 2nd Law - Moddel, Rauen, Haisch, Sheehan	<p>http://www.scientificexploration.org ----- Multiple perspectives on the future of energy in relation to experimental evidence concerning the second law, "free energy," quantum vacuum energy, LENR, etc. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2011-05-05	https://youtu.be/QVFZgTSg6b0	SSE Talks - Is the Dissertation Process Broken - John MacLean	<p>http://www.scientificexploration.org ----- As I have attempted to complete PhD work, it has become apparent that there are a large number of candidates that are PhD (abd) (All But Dissertation). In examining individual cases, the reasons for many appear unfair. Even in those who have completed the process and been awarded a PhD, the answer to the title question has been a resounding "Yes!" Many candidates are beset with endless rewrites, mentor changes, subject changes, and other delays that seem to have no apparent valid reasons. Many of these result in unwarranted repeated tuition payments. The PhD programs are filled with numerous research papers and comprehensive exams that require significant research activities. By the time one gets to the dissertation, the candidate is well versed in research activity. However, today's world is all about teams. In fact, many research funding organizations require a team approach with detailed credentials of all team members in order to get funding. The PhD process with current dissertation requirements does not prepare the candidate for team oriented research projects. There are ethical questions about this process; 1) Is it ethical to require a process that is antiquated and ill suited to the needs of the 21st Century, and 2) Is it ethical to require such credentials for employment in Universities, especially public institutions? My informal conversations with a large number of PhD's and PhD candidates, indicate there is a significant problem. I presented my preliminary findings at the Eleventh Annual Conference by the Faculty early this year at Utah Valley University. However, my paper could not be published with the proceedings as the IRB process was incomplete. It now is, and I am starting to interview individuals to validate the preliminary findings. To date, it appears that many individuals with excellent talents are being eliminated from the research activity pool for reasons that have nothing to do with their ability. This kind of discrimination is reminiscent of the treatment many of the SSE members have received from mainstream science. It is important for SSE to do what we can to reverse the trend. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/eks2IEIaNs4	SSE Talks - Kundalini_ A Consciousness Field Effect_ - Dale Graff	<p>http://www.scientificexploration.org ----- A variety of mental exercises or disciplines assist individuals in achieving specific goals. In this presentation I explore a phenomenon associated with kundalini yoga. Other cultures have described similar effects using different terms and facilitating concepts. My material is based on key aspects from the kundalini literature including the writings of kundalini practitioners and those who have examined the reported effects. I describe observations from colleagues and from my own personal experiences. These experiences show how a link with kundalini phenomenon led to my interest in precognition. I provide a few illustrations where the kundalini effect enhanced the precognitive results, including a long distance communication experiment with a deep diving submersible and specific future events such as the Columbia space shuttle disaster. Kundalini experiences can include a variety of unusual sensations that are disturbing and seem to originate from an unusual force, perhaps a combination of electric and magnetic, or some type of subtle energy. They may even lead to dreams with symbolism that seems threatening. Questions explored include: What is kundalini? How or why is it experienced? How does it relate to body physiology? Why is kundalini believed to be some form of energy or energy transfer? What are some of the indicators of kundalini activation? What are the implications of kundalini for the physical sciences, particularly for our understanding of space-time and consciousness field concepts? I conclude with speculations on how kundalini effects can provide insight into the nature of reality and brain/mind connectivity. Future research suggestions are provided. Dale E. Graff, PSI-SEMINARS-INITIATIVES. Web Site: www.dalegraff.com. Physicist, facilitator, author, Tracks in the Psychic Wilderness, RIVER DREAMS. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/vk8SrDVhNnU	SSE Talks - Exotic Propulsion_ - York Dobyns	<p>http://www.scientificexploration.org ----- Any vehicle that propels itself through space using internal fuel reserves faces the rocket paradox: the more efficient the drive in terms of thrust per unit mass expended, the less efficient it is in terms of thrust per unit energy expended. Unfortunately Newton's Third Law enforces the rocket paradox for any self-contained system of propulsion. For a self-contained vehicle to be capable of large velocity changes without astronomical energy expenditures, it would seem necessary to find a drive system which is somehow not constrained by the law of action and reaction. Unfortunately, any such system would inherently violate both conservation of momentum and conservation of energy. While no violation of these laws has ever been observed, and classical theory indicates that they are direct mathematical consequences (via Noether's Theorem) of fundamental symmetries, energy and momentum conservation have not actually been shown to hold for General Relativity itself. Competing non-relativistic theories, on the other hand, while they may be amenable to the Noether construction, may admit of nonlocal interactions which could produce apparent local nonconservation. While the above reasoning shows that non-Newtonian propulsion may be possible, none of the hypothetical phenomena that might enable such processes have actually been confirmed by experiment. Even those candidates that are most plausible on theoretical grounds are far beyond our current technical reach. Bearing these caveats in mind, there are several such prospects that seem worth further scrutiny. These include manipulation of inertial mass; manipulation of gravitational mass; interaction with tachyonic states; nonlocal (nonrelativistic) interactions; and electromagnetic storage of momentum. York Dobyns is a physicist (Ph.D. Princeton 1987) who spent 19 years as part of the Princeton Engineering Anomalies Research program. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2011-05-05	https://youtu.be/xDx1po_apZU	SSE Talks - Gravity Control, Warp-Drive, Propulsion Frontiers - Eric Davis	<p>http://www.scientificexploration.org ----- The science behind such notions as warp drive and gravity-control is examined to show the connections between the known, the anomalies, and the visions. Recent experiments hint that inertial frames might be dragged with ultra-cold matter. Einstein's General Theory of Relativity has been applied to suggest how to circumvent the light-speed limit. And cosmological observations continue to accumulate that boggle the mind: "dark matter," "dark energy," and the anomalous trajectories of deep space probes. Learn about these and about the technical book that was published in 2009 on these topics. Eric W. Davis* and Marc G. Millis† *Institute for Advanced Studies at Austin, Austin, Texas 78759 †Tau Zero Foundation, Fairview Park, OH 44126. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2011-05-05	https://youtu.be/SD7bQxFNdHw	SSE Talks - Investigating A Spiritist Seance Group - Stephen Braude	<p>http://www.scientificexploration.org ----- In late March and early April, I visited the Felix Circle in Hanau, Germany. For several years, this group has been evolving from an informal table-tilting sitter group to a group more closely resembling the classic spiritualist seance groups in the late nineteenth century. In the past year, in particular, they have been reporting, not simply full table levitations, but also apported objects and apparent materializations. These latter phenomena occur primarily in the context of a "cabinet" seance, during which one of the sitters (now identified as a medium) sits in a curtained-off area of the seance room, occasionally opening the curtains to reveal ostensible materializations. I sat with this group for two sessions, a cabinet sitting and a table-tilting session. In the former, conducted almost entirely in darkness, I was presented with many of the classic spiritualist phenomena: including rapping sounds throughout the room, a levitating plastic trumpet with luminescent tape on one end floating around the room, and apparent materialized hands, some seeming to emerge from the medium's mouth under red light. In the table-tilting session, also conducted in darkness (but part of which was recorded in infrared high-definition video), we had vigorous table movements and one brief but apparently complete table levitation. At present, I'd have to say that nothing I witnessed either discourages or encourages suspicion. Fortunately, the group seems amenable to further investigations under tighter controls and more relentless infrared video recording. I'll discuss the phenomena in detail and show portions of the infrared video. Dr. Braude is Chair of the Philosophy department at the University of Maryland Baltimore County, and Editor-in-Chief of the Journal of Scientific Exploration. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/LXWs_pBeqYs	SSE Talks - Healing Asperger&% 2339;s Syndrome - Richard Blasband	<p> http://www.scientificexploration.org ----- To provide new information about a possible etiology of Asperger's Syndrome as seen from a healer's point-of-view and to demonstrate the use of empathic coaching and healing by intention to alleviate some of the symptoms of this syndrome. Procedure: The treatment was two-fold, first, to provide coaching of behavior in this very bright and mature 18 year old woman who was suffering from problems in learning mathematics, inattention, difficulties in interpersonal relationships, lack of feeling in the left hemisphere of her brain and a symptom she called "galloping," a practically all-day pacing back and forth due to an inner sense of urgency. Second, to heal using the Levashov Method of mental intention to scan and enter the etheric and astral bodies of Gwen's (fictitious name) subtle body structure and make corrections where needed. Coaching was provided by Dr. Surel and took place weekly since mid-January of 2010. Healing was provided by Dr. Blasband for 15 minute sessions three to five days per week during the same period. Results: Within one week of beginning treatment the galloping decreased 80-90%. Each healing session was followed by a marked diminution of her inner sense of "urgency." Within two months of treatment she was hardly pacing at all and her ability to learn math had markedly improved as had her capacity for interpersonal relationships. The symptom of lack of feeling in the brain was eliminated with one healing session. A hiatus in healing of 5 days due to difficulties in the family resulted in a return of symptoms in full force. These were again alleviated with coaching and healing. Conclusion: This single example of a young woman with Asperger's Syndrome treated by a coach and healer working in harmony demonstrates that it is possible to strongly influence the course of this usually refractory syndrome. While permanent cure has yet to be demonstrated we learned more about some of the possible mechanisms of symptom formation. These will be communicated in full lecture session. Richard A. Blasband, M.D. & Dominique Surel, Ph.D. The Center for Functional Research. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE. </p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/vW4p0Of8-Dg	SSE Talks - Physics in the Dark - James Beichler	<p>http://www.scientificexploration.org ----- Physics is completely in the dark when it comes to that part of the universe consisting of Dark Matter (DM) and Dark Energy (DE). The word 'dark' in these titles refers to the fact that whatever the physical substance or concept 'filling' these regions of otherwise empty space happens to be, it does not interact electromagnetically except for the fact that the curvature of space-time in these regions causes gravitational lensing of passing light waves. The best known dark region is the halo that surrounds spiral galaxies and it seems to be constituted of 'something' that goes by the designation Lambda-CDM. While the concept of Lambda-CDM seems to account for whatever either 'appears' or does not 'appear' in galactic halos, its origin and nature is otherwise unknown. The term DM also covers the group of physical phenomena associated with the HDM which persists everywhere throughout the universe as does DE. The verified existence of DM and DE has plunged the scientific world into a 'crisis' state that seems to indicate fundamental physics is expanding ever more rapidly toward a new scientific revolution. Their very existence presents problems which cannot be solved automatically by quantum theory, either in the form of quantum vacuum energy or newly invented particles, but rather problems that are related to gravity theory as expressed by the general theory of relativity. Numerous suggestions and hypotheses have been put forward to explain these dark 'things', but no particular hypothesis or resulting model has proven satisfactory and no model yet proposed in mainstream physics is able to explain both DM, in either let alone both of its forms of CDM or HDM, and DE even though most physicists agree that the two should have a single common explanation. Having said that, DM and DE can be easily explained by thinking outside the box of mainstream physics. A single field model that includes a fundamental change in Newtonian gravity theory, expanding three-dimensional space to four dimensions, forces the reality of an extrinsically curved four-dimensional space-time in general relativity. The extra term added to Newton's gravity can then be equated to the Lambda-CDM or 'quintessence' that has been added to Einstein's formula. Yet this new model is not without radical consequences for the rest of physics and science. Accepting this new model would mean accepting the existence of a macroscopically extended fourth space-like dimension that either directly or indirectly influences all of science, absolutely everything in the world. In other words, this new model will change every facet of physics and science to some extent and some of the changes will be quite startling. The dark part of physics is not just an add-on or ad hoc device for explaining esoteric new phenomena. The dark deals with the underlying substrate of physical reality itself and can thus be used to explain such diverse physical phenomena as consciousness, paranormal phenomena and survival, quantum entanglement and the very nature of the quantum itself. The dark is actually a realm of light that only 'appears' dark against the 'brighter' materiality of our normally sensed and normally experienced three-dimensional world. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
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TheSSEChannel	2011-05-05	https://youtu.be/KJmneDsemT0	SSE Talks - The Real Men Who Stare At Goats - John Alexander	<p>http://www.scientificexploration.org ----- In 2004 John Ronson published a book titled The Men Who Stare at Goats. Unfortunately George Clooney became interested in the project and in 2009 released a movie of the same title. In the book, the participants are addressed by their real names, and I am one of the principal characters. The movie added a degree of ambiguity to the participants but claimed it was based on a true story, albeit portrayed as a comedy. While George Clooney's role is a composite of known personalities, as is Kevin Spacey's, Jeff Bridges who won multiple best actor awards for Crazy Heart, played a role directly based on Lt. Col. Jim Channon, creator of The First Earth Battalion. Anomalous phenomena are at the heart of the movie. The problem for the viewing public, and SSE members is that they would be unable to distinguish between fact and fantasy. The movie portrayed several phenomena including remote viewing, psychokinesis metal bending, mental weather modification (cloud-busting), and other events. Clooney even demonstrates a death by staring technique while a general officer, portraying my boss, attempts unsuccessfully to run through walls. In reality, some of these events did happen. Goats did die, but due to dim mak, also known as the death touch, not by staring at them. The documentation was extraordinary and will be discussed. But more importantly, there were very practical and cogent reasons for exploring these fields when we did. Some of the experimentation came about as the result of the personal experiences of an American Special Forces officer held for five years as a prisoner of war in South Viet Nam. This presentation will set the record straight. Recorded at the 29th annual SSE Conference in 2010 in Boulder, Colorado, USA. Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/TKm8BtT9VUM	SSE Talks - Effects of Prayer on Primates - Karen Lesniak - 5_5	<p>Summary: Dr. Lesniak reports on her randomized, double-blind study showing improved healing rates for animals receiving intercessory prayer as opposed to control groups. About the Author(s): Karen Lesniak is an Assistant Professor in the Psychology department at Loma Linda University in Loma Linda, CA. Though Dr. Lesniaks research is in several areas, she focuses on biopsychosocial-spiritually based patient care, clinical training, and clinical program development. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/FriRAPew0Ew	SSE Talks - Effects of Prayer on Primates - Karen Lesniak - 4_5	<p>Summary: Dr. Lesniak reports on her randomized, double-blind study showing improved healing rates for animals receiving intercessory prayer as opposed to control groups. About the Author(s): Karen Lesniak is an Assistant Professor in the Psychology department at Loma Linda University in Loma Linda, CA. Though Dr. Lesniaks research is in several areas, she focuses on biopsychosocial-spiritually based patient care, clinical training, and clinical program development. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.</p>	Transcript Link

TheSSEChannel	2010-05-17	https://youtu.be/GgTtLtN0i2M	SSE Talks - Effects of Prayer on Primates - Karen Lesniak - 3_5	Summary: Dr. Lesniak reports on her randomized, double-blind study showing improved healing rates for animals receiving intercessory prayer as opposed to control groups. About the Author(s): Karen Lesniak is an Assistant Professor in the Psychology department at Loma Linda University in Loma Linda, CA. Though Dr. Lesniaks research is in several areas, she focuses on biopsychosocial-spiritually based patient care, clinical training, and clinical program development. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/EZBMgfcNbEo	SSE Talks - Effects of Prayer on Primates - Karen Lesniak - 2_5	Summary: Dr. Lesniak reports on her randomized, double-blind study showing improved healing rates for animals receiving intercessory prayer as opposed to control groups. About the Author(s): Karen Lesniak is an Assistant Professor in the Psychology department at Loma Linda University in Loma Linda, CA. Though Dr. Lesniaks research is in several areas, she focuses on biopsychosocial-spiritually based patient care, clinical training, and clinical program development. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/A0kOyIVkcZ0	SSE Talks - Qigong, Infrasound, and Oncology - Garret Yount - 4_4	Title: Infrasonic Component Of Qigong: Potential For Integration With Oncology Summary: Can the effects of Qigong treatment be mimicked with infrasound? Dr. Yount suggests it can, and with possible applications to cancer treatment. About the Author(s): Dr. Garret Yount directs a molecular and cellular biology laboratory at the California Pacific Medical Center Research Institute in San Francisco, California, focusing primarily on helping people with cancers. His interest in integrating Traditional Chinese Medicine with Western treatments for cancer has led to collaborations with scientists and practitioners from China, Japan, Canada. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link

TheSSEChannel	2010-05-17	https://youtu.be/gK3i1PJryK0	SSE Talks - Qigong, Infrasound, and Oncology - Garret Yount - 3_4	Title: Infrasonic Component Of Qigong: Potential For Integration With Oncology Summary: Can the effects of Qigong treatment be mimicked with infrasound? Dr. Yount suggests it can, and with possible applications to cancer treatment. About the Author(s): Dr. Garret Yount directs a molecular and cellular biology laboratory at the California Pacific Medical Center Research Institute in San Francisco, California, focusing primarily on helping people with cancers. His interest in integrating Traditional Chinese Medicine with Western treatments for cancer has led to collaborations with scientists and practitioners from China, Japan, Canada. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/H4kC6ZJSXyQ	SSE Talks - Qigong, Infrasound, and Oncology - Garret Yount - 1_4	Title: Infrasonic Component Of Qigong: Potential For Integration With Oncology Summary: Can the effects of Qigong treatment be mimicked with infrasound? Dr. Yount suggests it can, and with possible applications to cancer treatment. About the Author(s): Dr. Garret Yount directs a molecular and cellular biology laboratory at the California Pacific Medical Center Research Institute in San Francisco, California, focusing primarily on helping people with cancers. His interest in integrating Traditional Chinese Medicine with Western treatments for cancer has led to collaborations with scientists and practitioners from China, Japan, Canada. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/raDHZDCudR8	SSE Talks - Lucid Dreaming and Parapsychology - Robert Waggoner - 3_3	Title: Lucid Dreamings Potential For The Science Of Parapsychology Summary: Lucid dreaming might be a platform for the study of parapsychological phenomena, such as precognition or telepathy. About the Author(s): Robert Waggoner is President-elect of the International Association for the Study of Dreams, and author of the new book, Lucid Dreaming: Gateway to the Inner Self. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link

TheSSEChannel	2010-05-17	https://youtu.be/4yBLCKArxBQ	SSE Talks - Lucid Dreaming and Parapsychology - Robert Waggoner - 2_3	Title: Lucid Dreamings Potential For The Science Of Parapsychology Summary: Lucid dreaming might be a platform for the study of parapsychological phenomena, such as precognition or telepathy. About the Author(s): Robert Waggoner is President-elect of the International Association for the Study of Dreams, and author of the new book, Lucid Dreaming: Gateway to the Inner Self. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/ZbiEf7fnggk	SSE Talks - Lucid Dreaming and Parapsychology - Robert Waggoner - 1_3	Title: Lucid Dreamings Potential For The Science Of Parapsychology Summary: Lucid dreaming might be a platform for the study of parapsychological phenomena, such as precognition or telepathy. About the Author(s): Robert Waggoner is President-elect of the International Association for the Study of Dreams, and author of the new book, Lucid Dreaming: Gateway to the Inner Self. Recorded at the 28th annual SSE Conference in 2009 University of Virginia, Charlottesville (USA). Join the SSE to support to support the Society's commitment to maintain an open professional forum for researchers at the edge of conventional science: https://www.scientificexploration.org/join The SSE provides a forum for original research into cutting edge and unconventional areas. Views and opinions belong only to the speakers, and are not necessarily endorsed by the SSE.	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/Nw9o_wFkRQw	SSE Talks - Intuition and Business - Dominique Surel - 3_3	Title: Intuitive Intelligence© - An Alchemical Process Summary: An experiential talk about Intuitive Intelligence Training - a system developed to teach decision-makers in the business world how to use the brain differently in order to enhance intuitive insights and creative thinking. About the Author(s): Dominique Surel is a radiesthésiste and operational Controlled Remote Viewer and has been a consultant in global marketing strategy in Europe for major corporations. She holds an MBA and her doctoral dissertation research addressed the role of intuition in the decision making process. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/lHj3V5lCi5g	SSE Talks - Solar Neutrino Anomalies - Peter Sturrock - 3_3	Title: Enigmatic Periodicities In Nuclear Processes Summary: Observations concerning solar neutrino flux may call into question our understanding of nuclear processes. About the Author(s): Peter Sturrock is Emeritus Professor of Applied Physics at Stanford University, Emeritus President of SSE and Emeritus Editor of JSE, with wide interests currently spanning astrophysics, neutrino physics, Bayesian probability theory, the UFO problem, and the Shakespeare authorship issue. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/HLC3bRc1Rw4	SSE Talks - Intention and Gamma Rays - Gary Schwartz - 3_3	Title: Effects Of Spiritual Energy Healing Intentions On Patterns Of Cosmic Rays Summary: Special cameras might have captured unusual, high-frequency cosmic or gamma rays emitted during "energy healing" sessions. ANOVA reveals high statistical significance. About the Author(s): Gary E. Schwartz is a Professor of Psychology, Medicine, Neurology, Psychiatry, and Surgery, and Director of the Laboratory for Advances in Consciousness and Health, at The University of Arizona in Tucson. He is also Corporate Director of Development of Energy Healing at Canyon Ranch. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/1aF0Msj3pDc	SSE Talks - ESP and Music Improv - Ed Sarath - 3_3	Title: Improvisation And Anomalies In Music And Science Summary: Professor and performance musician Ed Sarath discusses anomalous improvisation and entrainment among musicians, consciousness studies, and their potential application to music teaching and learning. About the Author(s): Ed Sarath is Professor of Music in the Department in Jazz and Contemporary Improvisation at The University of Michigan School of Music, Theatre and Dance. He is also Director of UMs Program in Creativity and Consciousness Studies, which is an interdisciplinary network of colleagues interested in the interior/transpersonal dimensions of the creative process. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/yysw7XztabE	SSE Talks - Homeopathy, Water, and QED - Glen Rein - 3_3	Title: Homeopathy: Energetic Mechanism For Information Storage Summary: Can a special application of quantum electrodynamics explain the properties of water that allow for homeopathy's healing effects? A device was built to suggest it can. About the Author(s): Dr. Rein, a former Assistant Professor at Mt Sinai Medical School, is the founder of Quantum Biology Research Lab devoted to understanding the role of non-classical forms of EM, optical and acoustic energy in healing and higher states of consciousness. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/qKHgQ1QpXLI	SSE Talks - Patenting the Unconventional - Stephen Parker - 3_3	Title: The Patent Hurdles Faced By Companies Seeking To Protect Inventions In Emerging And/or Not Widely Accepted Sciences Summary: Practical advice for the researcher and inventor on how to secure intellectual property in emerging areas, and still contribute to the common good. About the Author(s): Stephen Parker is Managing Partner of a DC law firm, has served on AIPLA committees, taught graduate classes at John's Hopkins University on protection of biotechnology. Mr. Parker is also presently engaged in remote viewing experiments with Univ. of Virginia. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/Fz8BOj6clA	SSE Talks - Energy from the Vacuum - Garret Moddel - 3_3	Title: Something From Nothing: An Evaluation Of Vacuum Energy Extraction Methods Summary: Most methods of extracting energy form the zero-point field have fundamental errors and cannot work, although the potential remains viable. About the Author(s): Garret Moddel has been a Professor of Electrical, Computer, and Energy Engineering at the University of Colorado since 1985. Along with quantum engineering of new thin-film optoelectronic devices and exotic energy technologies, his research group investigates psi phenomena. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/2_G-hlrWjEE	SSE Talks - Consciousness_ Mind-Brain Interaction_ - Jay Gunkelman - 4_5	Title: Consciousness: An Emergent Property Of Mind-Brain Interaction Summary: EEG pioneer Jay Gunkelman examines slow cortical potentials and gamma activity in EEG processing, to suggest a potential domain for consciousness. About the Author(s): Jay Gunkelman entered the biofeedback field in 1972, starting the first State Hospital based biofeedback lab. On the boards of many QEEG and neurofeedback associations, Jay also provides clinical services at 12 centers in the USA. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/kTgVx57aslw	SSE Talks - Science and Postmortem Survival - Bruce Greyson - 5_5	Title: Is Postmortem Survival A Scientific Hypothesis? Summary: The belief that some part of human beings may survive bodily death (not as a religious question) can be operationalized in terms of empirically testable hypotheses. About the Author(s): Bruce Greyson, M.D., is the Chester F. Carlson Professor of Psychiatry & Neurobehavioral Sciences and Director of the Division of Perceptual Studies at the University of Virginia. He was a founder and Past President of the International Association for Near-Death Studies, and for the past 26 years has edited the Journal of Near-Death Studies. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/gzB-oUH_Csw	SSE Talks - Scientific Search for Spirit - Charles Emmons - 3_3	Title: Framing The Scientific Search For Spirit Summary: The sociology of knowledge, in relation to the scientific investigation of paranormal questions. About the Author(s): Charles F. Emmons is a sociologist at Gettysburg College, author of Guided by Spirit: A Journey into the Mind of the Medium (with Penelope Emmons), Chinese Ghosts and ESP, and At the Threshold: UFOs, Science and the New Age. Current research: "The Scientific Search for Spirit". For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/p9Dbydp1khA	SSE Talks - Disproving Insect Olfaction Theory - Thomas Dykstra - 3_3	Title: Disproving The Current Theory Of Insect Olfaction: Temporal Evidence Summary: Dr. Dykstra lays out evidence that the prevailing theory of insect olfaction is fundamentally flawed. About the Author(s): Tom is a Cornell trained entomologist who now resides in Florida. He owns his own bioelectromagnetics laboratory, Dykstra Laboratories, Inc. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-17	https://youtu.be/7-rPOzs5T_o	SSE Talks - Remote Viewing the Lottery (Analysis) - York Dobyns - 3_3	Title: Making ARV Work Summary: Physicist York Dobyns analyzes attempts to use Associative Remote Viewing (ARV) to predict lottery numbers and the stock market. Conclusion: it can turn a profit. About the Author(s): York Dobyns is a physicist (Ph.D. Princeton 1987) who spent 19 years as part of the Princeton Engineering Anomalies Research program. For more, visit www.scientificexploration.org	Transcript Link

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TheSSEChannel	2010-05-17	https://youtu.be/JSx_BR6s8jc	SSE Talks - Remote Viewing the Lottery (Analysis) - York Dobyns - 1_3	Title: Making ARV Work Summary: Physicist York Dobyns analyzes attempts to use Associative Remote Viewing (ARV) to predict lottery numbers and the stock market. Conclusion: it can turn a profit. About the Author(s): York Dobyns is a physicist (Ph.D. Princeton 1987) who spent 19 years as part of the Princeton Engineering Anomalies Research program. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-16	https://youtu.be/gFCLBsr4-qo	SSE Talks - The China Study - Collin Campbell - 5_5	Title: The China Study Summary: Nutritional expert Dr. Colin Campbell summarizes an enormous nutritional study that took place in China. The results: a whole food, plant-based diet seems to dramatically reduce the incidence and severity of cancer. About the Author(s): T. Colin Campbell, who was trained at Cornell (M.S., Ph.D.) and MIT (Research Associate) in nutrition, biochemistry and toxicology, spent 10 years on the faculty of Virginia Tech's Department of Biochemistry and Nutrition before returning to the Division of Nutritional Sciences at Cornell in 1975 where he presently holds his Endowed Chair (now Emeritus). For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-16	https://youtu.be/WiTIgxsRqDY	SSE Talks - The China Study - Collin Campbell - 4_5	Title: The China Study Summary: Nutritional expert Dr. Colin Campbell summarizes an enormous nutritional study that took place in China. The results: a whole food, plant-based diet seems to dramatically reduce the incidence and severity of cancer. About the Author(s): T. Colin Campbell, who was trained at Cornell (M.S., Ph.D.) and MIT (Research Associate) in nutrition, biochemistry and toxicology, spent 10 years on the faculty of Virginia Tech's Department of Biochemistry and Nutrition before returning to the Division of Nutritional Sciences at Cornell in 1975 where he presently holds his Endowed Chair (now Emeritus). For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-16	https://youtu.be/O_tbfmmPsfw	SSE Talks - The China Study - Collin Campbell - 3_5	Title: The China Study Summary: Nutritional expert Dr. Colin Campbell summarizes an enormous nutritional study that took place in China. The results: a whole food, plant-based diet seems to dramatically reduce the incidence and severity of cancer. About the Author(s): T. Colin Campbell, who was trained at Cornell (M.S., Ph.D.) and MIT (Research Associate) in nutrition, biochemistry and toxicology, spent 10 years on the faculty of Virginia Tech's Department of Biochemistry and Nutrition before returning to the Division of Nutritional Sciences at Cornell in 1975 where he presently holds his Endowed Chair (now Emeritus). For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-16	https://youtu.be/ZuNfxBqy3fE	SSE Talks - The China Study - Collin Campbell - 2_5	Title: The China Study Summary: Nutritional expert Dr. Colin Campbell summarizes an enormous nutritional study that took place in China. The results: a whole food, plant-based diet seems to dramatically reduce the incidence and severity of cancer. About the Author(s): T. Colin Campbell, who was trained at Cornell (M.S., Ph.D.) and MIT (Research Associate) in nutrition, biochemistry and toxicology, spent 10 years on the faculty of Virginia Tech's Department of Biochemistry and Nutrition before returning to the Division of Nutritional Sciences at Cornell in 1975 where he presently holds his Endowed Chair (now Emeritus). For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-17	https://youtu.be/SVhi6tZx2og	SSE Talks - Orgone Energy Accumulator for Cancer - Dick Blasband - 3_3	Title: The Orgone Energy Accumulator And Healing Intention In The Treatment Of Cancer In Mice Summary: In studies demonstrating anomalous healing of tumors, there are potential similarities between healing intentions and experimental devices called "orgone energy accumulators." About the Author(s): Richard A. Blasband, M.D., is a psychiatrist in Sausalito, CA who practices psychiatric orgone therapy and healing by mental intention. He is also Research Director of the Center for Functional Research which is devoted to the experimental investigation of the interface between life energy and consciousness. For more, visit www.scientificexploration.org	Transcript Link

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TheSSEChannel	2010-05-17	https://youtu.be/FqNIN-PoKC0	SSE Talks - Healing and the Mainstream - Bill Bengston - 5_5	Title: Problems And Prospects Of Transitioning From Experimental Data To Clinical Application Summary: Anomalous cancer remission in mice after alternative therapies (in 10 experiments in multiple labs) reveal the divide between experimental and clinical sides of healing. About the Author(s): Bill Bengston is Professor of Sociology at St. Joseph's College in New York. In addition to his "day job" teaching a variety of courses, including research methods, statistics, and supervising theses, he has been involved in researching various aspects of healing for several decades. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2010-05-16	https://youtu.be/hcotBzjXndl	SSE Talks - Science And The Afterlife - Julie Beischel - 5_5	Title: Mediumship Under The Microscope: Science And The Afterlife Summary: New research techniques are being introduced in the study of mediumship. About the Author(s): Julie Beischel, PhD, is the Co-Founder and Director of Research at The Windbridge Institute for Applied Research in Human Potential. Dr. Beischel received her doctorate in Pharmacology and Toxicology with a minor in Microbiology and Immunology from the University of Arizona. Her research interests center on the survival of consciousness hypothesis ("life after death.") For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2010-05-16	https://youtu.be/gYS2N5pzjX4	SSE Talks - Science And The Afterlife - Julie Beischel - 4_5	Title: Mediumship Under The Microscope: Science And The Afterlife Summary: New research techniques are being introduced in the study of mediumship. About the Author(s): Julie Beischel, PhD, is the Co-Founder and Director of Research at The Windbridge Institute for Applied Research in Human Potential. Dr. Beischel received her doctorate in Pharmacology and Toxicology with a minor in Microbiology and Immunology from the University of Arizona. Her research interests center on the survival of consciousness hypothesis ("life after death.") For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-30	https://youtu.be/8Jw6pePlfvs	SSE Talks - Parapsychology Research Methods 1_2	www.scientificexploration.org Title: Phenomenological and Objective Methods in Consciousness Research: The Case of Spirit Mediumship Summary: Dr. Emmons examines methods of parapsychological research including phenomenology, objectivism, and the role of the researcher. About the Author(s): Charles F. Emmons, PhD, is a sociologist at Gettysburg College and author of several books on parapsychology. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-07-30	https://youtu.be/NDvy8vSu3UA	SSE Talks - Mysteries of Insect Olfaction 3_3	www.scientificexploration.org Title: Protein Semiconductors in Relation to Insect Olfaction Summary: Thomas Dyktra's body of evidence suggests that insect sensillae (scent organs) are more like "vibrational" antennae than chemical receptors--the prevailing theory. About the Author(s): Thomas M. Dykstra, PhD, is president of Dykstra Laboratories, studying entomology, electromagnetics, and life. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-30	https://youtu.be/z-VGhOYE770	SSE Talks - Quantum Mechanics and Consciousness 4_4	www.scientificexploration.org Title: Quantum Mechanics and Consciousness: A New Measurement Summary: Features of quantum mechanics suggest that, rather than passively observing it, our minds create reality. About the Author(s): Bernard Haisch, Ph.D., Calphysics Institute, is an astrophysicist and author of over 130 scientific publications. He served as a scientific editor of the Astrophysical Journal for ten years, and was Principal Investigator on several NASA research projects. He is a past Editor-in-Chief of the Journal of Scientific Exploration. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-27	https://youtu.be/cmfdSfLIT2g	SSE Talks - Disproof of HIV/AIDS Theory 3_3	www.scientificexploration.org Title: Straightforward and Obvious Disproof of HIV/AIDS Theory Summary: Henry Bauer summarizes certain evidence that HIV does not cause AIDS. About the Author(s): Henry Bauer, PhD, is dean emeritus of the College of Arts and Sciences at Virginia Tech, emeritus professor of Chemistry, and former editor of the Journal of Scientific Exploration. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-27	https://youtu.be/8baAyjHraJl	SSE Talks - Global Consciousness Project_ New Findings 3_3	www.scientificexploration.org Title: The Global Consciousness Project: Findings in the Event Experiment Summary: Roger Nelson compares 250 world events against the CGP 10-year database, determining that events engaging the attention of millions of people have a stronger influence on a global network of random event generators (REGs) than do events engaging smaller numbers of people. About the Author(s): Roger Nelson, PhD, is a Princeton experimental psychologist and founder of the Global Consciousness Project. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-27	https://youtu.be/sDmXfv_fQ9M	SSE Talks - ESP and Consciousness 5_5	www.scientificexploration.org Title: Why ESP is Consciousness Only Hope Summary: Paul Smith makes the case that psi phenomena do not support a strictly physical notion of consciousness. About the Author(s): Paul H. Smith is a retired Army intelligence officer, and alumnus of the military StarGate remote viewing program. Paul has degrees in Middle East studies, and is currently a doctoral candidate in philosophy at the University of Texas at Austin. He is president of Remote Viewing Instructional Services, and past president of the International Remote Viewing Association (IRVA). For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-07-27	https://youtu.be/waFXFGV1DJs	SSE Talks - Kashmir Shaivism and Western Science 2_2	www.scientificexploration.org Title: Higher States of Consciousness Beyond Space and Time: A Comparative Perspective from Eastern Cosmologies and Western Science Summary: Maria Sylдона, Ph.D, discusses some similarities between the theories of Western empirical science and the cosmology of the eastern tradition of Kashmir Shaivism. About the Author(s): Dr. Sylдона's interdisciplinary background encompasses engineering, psychology, Eastern science traditions, electrophysiology and education. Her research experience includes post graduate work at Stanford and Brown Universities and SUNY Stonybrook. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-07-27	https://youtu.be/qJa1PE_9kPg	SSE Talks - Kashmir Shaivism and Western Science 1_2	www.scientificexploration.org Title: Higher States of Consciousness Beyond Space and Time: A Comparative Perspective from Eastern Cosmologies and Western Science Summary: Maria Sylдона, Ph.D, discusses some similarities between the theories of Western empirical science and the cosmology of the eastern tradition of Kashmir Shaivism. About the Author(s): Dr. Sylдона's interdisciplinary background encompasses engineering, psychology, Eastern science traditions, electrophysiology and education. Her research experience includes post graduate work at Stanford and Brown Universities and SUNY Stonybrook. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-07-27	https://youtu.be/PnfQ0E_zkq8	SSE Talks - Former Deputy Prime Minister on UFOs 3_3	www.scientificexploration.org Title: Will It Be Star Wars or Star Dreams? Summary: Paul Hellyer examines hypothetical relationships between governments and extraterrestrial intelligence, which might result in the best benefits for humanity. About the Author(s): Paul Hellyer is a former Canadian Deputy Prime Minister. In recent years, he has become involved with the extraterrestrial presence and technology. He believes that the time has come for full disclosure of what governments know, and how far advanced they are in replicating the visitors technology, especially in the field of energy. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-05-10	https://youtu.be/sYm81Ca-aHk	SSE Talks - Origins of Space and Time 3_3	www.scientificexploration.org Title: The Constants, Reductionism, and the Origins of Space and Time Summary: At least six apparently independent physical constants seem to be finely tuned to allow evolution of complex and intelligent life in our universe, the potential origins and implications of which are discussed in this talk. About the author: Richard Shoup received his BSEE and PhD in Computer Science from Carnegie Mellon University. He has worked at the Xerox Palo Alto Research Center, Interval Research, and is currently President of the Boundary Institute. His research interests have focused on the foundations of physics, mathematics, and computer science. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-05-09	https://youtu.be/-gdj4ex8xIQ	SSE Talks - Imaging Acupuncture Points with fMRI 3_3	www.scientificexploration.org Title: The Imaging of Acupuncture Points and the Characterization of Signal Pathways Using fMRI and Quantitative Ultrasonic Methods Summary: Professor and NIH director Joie P. Jones discusses an on-going project that utilizes computer imaging to map acupuncture meridians and their physiological pathways in the body. About the author(s): (1) Department of Radiological Sciences, University of California Irvine, Irvine, CA, USA; (2) Bae Institute of Immune Enhancement, Tustin, CA, USA. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-05-09	https://youtu.be/Zrx4ippgula	SSE Talks - Imaging Acupuncture Points with fMRI 2_3	www.scientificexploration.org Title: The Imaging of Acupuncture Points and the Characterization of Signal Pathways Using fMRI and Quantitative Ultrasonic Methods Summary: Professor and NIH director Joie P. Jones discusses an on-going project that utilizes computer imaging to map acupuncture meridians and their physiological pathways in the body. About the author(s): (1) Department of Radiological Sciences, University of California Irvine, Irvine, CA, USA; (2) Bae Institute of Immune Enhancement, Tustin, CA, USA. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-16	https://youtu.be/6tjvpk_x-YI	SSE Talks - Dean Radin - Consciousness, Photons, and Reality 1_5	www.scientificexploration.org Title: Gazing at the Minds Eye Summary: IONS Senior Scientist Dean Radin summarizes two experiments to explore the nature of the mind's eye. In one, an eyetracking system was used to test whether seers could "see" the future. In another, meditators and non-meditators were asked to use their mind's eye to perceive a beam of photons in a distant, light-tight optical apparatus. Both experiments provided intriguing glimpses of the role of the human mind in weaving the fabric of reality. About the Author(s): Dean Radin, PhD, has been Senior Scientist at the Institute of Noetic Sciences since 2001. He also holds an adjunct appointment at Sonoma State University and is on the Distinguished Consulting Faculty at Saybrook Graduate School. His initial career as a concert violinist was diverted into science after earning a Masters degree in electrical engineering and a PhD in psychology from the University of Illinois, Champaign-Urbana. For a decade he worked on advanced telecommunications R&D at AT&T Bell Laboratories and GTE Laboratories; for over two decades years he has focused on consciousness research at Princeton University, University of Edinburgh, University of Nevada, and three Silicon Valley think-tanks, including SRI International, where he worked on a classified program investigating psi phenomena for the US government. He is author or coauthor of over 200 technical and popular articles, a dozen book chapters, and several books including the bestselling The Conscious Universe (Harper One, 1997) and Entangled Minds (Simon & Schuster, 2006). He has appeared on television shows as diverse as Oprah, Larry King Live, and the BBCs Horizon, and has presented lectures in venues ranging from the physics department at Cambridge University to Google headquarters. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-16	https://youtu.be/44OaMnw-Sx8	SSE Talks - Dean Radin - Consciousness, Photons, and Reality 4_5	<p>www.scientificexploration.org Title: Gazing at the Minds Eye Summary: IONS Senior Scientist Dean Radin summarizes two experiments to explore the nature of the mind's eye. In one, an eyetracking system was used to test whether seers could "see" the future. In another, meditators and non-meditators were asked to use their mind's eye to perceive a beam of photons in a distant, light-tight optical apparatus. Both experiments provided intriguing glimpses of the role of the human mind in weaving the fabric of reality. About the Author(s): Dean Radin, PhD, has been Senior Scientist at the Institute of Noetic Sciences since 2001. He also holds an adjunct appointment at Sonoma State University and is on the Distinguished Consulting Faculty at Saybrook Graduate School. His initial career as a concert violinist was diverted into science after earning a Masters degree in electrical engineering and a PhD in psychology from the University of Illinois, Champaign-Urbana. For a decade he worked on advanced telecommunications R&D at AT&T Bell Laboratories and GTE Laboratories; for over two decades years he has focused on consciousness research at Princeton University, University of Edinburgh, University of Nevada, and three Silicon Valley think-tanks, including SRI International, where he worked on a classified program investigating psi phenomena for the US government. He is author or coauthor of over 200 technical and popular articles, a dozen book chapters, and several books including the bestselling The Conscious Universe (Harper One, 1997) and Entangled Minds (Simon & Schuster, 2006). He has appeared on television shows as diverse as Oprah, Larry King Live, and the BBCs Horizon, and has presented lectures in venues ranging from the physics department at Cambridge University to Google headquarters. For more, visit www.scientificexploration.org</p>	Transcript Link

TheSSEChannel	2009-04-16	https://youtu.be/FmxFsxB_H40	SSE Talks - Dean Radin - Consciousness, Photons, and Reality 5_5	www.scientificexploration.org Title: Gazing at the Minds Eye Summary: IONS Senior Scientist Dean Radin summarizes two experiments to explore the nature of the mind's eye. In one, an eyetracking system was used to test whether seers could "see" the future. In another, meditators and non-meditators were asked to use their mind's eye to perceive a beam of photons in a distant, light-tight optical apparatus. Both experiments provided intriguing glimpses of the role of the human mind in weaving the fabric of reality. About the Author(s): Dean Radin, PhD, has been Senior Scientist at the Institute of Noetic Sciences since 2001. He also holds an adjunct appointment at Sonoma State University and is on the Distinguished Consulting Faculty at Saybrook Graduate School. His initial career as a concert violinist was diverted into science after earning a Masters degree in electrical engineering and a PhD in psychology from the University of Illinois, Champaign-Urbana. For a decade he worked on advanced telecommunications R&D at AT&T Bell Laboratories and GTE Laboratories; for over two decades years he has focused on consciousness research at Princeton University, University of Edinburgh, University of Nevada, and three Silicon Valley think-tanks, including SRI International, where he worked on a classified program investigating psi phenomena for the US government. He is author or coauthor of over 200 technical and popular articles, a dozen book chapters, and several books including the bestselling The Conscious Universe (Harper One, 1997) and Entangled Minds (Simon & Schuster, 2006). He has appeared on television shows as diverse as Oprah, Larry King Live, and the BBCs Horizon, and has presented lectures in venues ranging from the physics department at Cambridge University to Google headquarters. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-16	https://youtu.be/ToQBrUuNN4I	SSE Talks - Retrocausation, Psi, and Entropy 1_2	www.scientificexploration.org Title: Can You Still Win Yesterdays Lottery? or Retrocausation: Is it Compatible with Known Physics? Summary: Professor Garret Moddel discusses the possibility that retrocausation (the present affecting the past), as demonstrated in retro-psychokinesis experiments, may not be incompatible with known physical theory. About the Author(s): Garret Moddel, Ph.D., is professor of Electrical, Computer, and Energy Engineering at the University of Colorado, Boulder, CO, USA. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-16	https://youtu.be/6XyC3wcj8ws	SSE Talks - Retrocausation, Psi, and Entropy 2_2	www.scientificexploration.org Title: Can You Still Win Yesterdays Lottery? or Retrocausation: Is it Compatible with Known Physics? Summary: Professor Garret Moddel discusses the possibility that retrocausation (the present affecting the past), as demonstrated in retro-psychokinesis experiments, may not be incompatible with known physical theory. About the Author(s): Garret Moddel, Ph.D., is professor of Electrical, Computer, and Energy Engineering at the University of Colorado, Boulder, CO, USA. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-16	https://youtu.be/gaFQ8rAf7vE	SSE Talks - Hemi-Sync® Investigation 1_2	www.scientificexploration.org Title: An Investigation into Repeated Exposure to Hemi-Sync® Technology in Controlled Workshop Environments Summary: Cam Danielson discusses responses of over 700 Monroe Institute program participants to focused states of consciousness achieved through Hemi-Sync® audio technology. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-16	https://youtu.be/KJ514HzFjuQ	SSE Talks - Hemi-Sync® Investigation 2_2	www.scientificexploration.org Title: An Investigation into Repeated Exposure to Hemi-Sync® Technology in Controlled Workshop Environments Summary: Cam Danielson discusses responses of over 700 Monroe Institute program participants to focused states of consciousness achieved through Hemi-Sync® audio technology. For more, visit www.scientificexploration.org	Transcript Link

TheSSEChannel	2009-04-16	https://youtu.be/O9g9dz1U0qA	SSE Talks - Water Memory 1_3	www.scientificexploration.org Title: Water Memory: Carrier of Conscious Intention Summary: Dr. Glen Rein discusses 'water memory' (the "imprinting" of water with conscious intention), and the results of his study suggesting that specific conscious intentions can produce polarity-specific biological effects. About the Author(s): After becoming an Assistant Professor at Mt. Sinai Medical School, Dr. Rein left academia and founded the Quantum Biology Research Lab (Ridgway, CO, USA). His research has since focused on characterizing non-classical forms of electromagnetic energy by virtue of their effects on biological systems and water. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-15	https://youtu.be/ckuO1KkETrg	SSE Talks - fMRI & EEG of Distant Healing 1_4	www.scientificexploration.org Title: Functional Magnetic Resonance Imaging and Electroencephalographic Evidence of Correlated Brain Signals Between Physically and Sensory Isolated Subjects Summary: Dr. Todd Richards reports on studies showing the existence of anomalous correlated brain signals in pairs of physically and sensory isolated humans - namely that instructions to a healer to make an intentional connection with a sensory isolated person can be correlated to changes in brain function of that individual. About the Author(s): Dr. Todd Richards is professor of radiology at the University of Washington. He performs neuron-imaging research related to consciousness, learning disabilities, pain, and chemical abnormalities in the brain. He teaches classes in advanced MR imaging techniques such as functional brain imaging, diffusion tensor imaging, perfusion imaging, and MR spectroscopic imaging. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-15	https://youtu.be/Qnfxlv9K_Z8	SSE Talks - Phenomenology of Intent 1_2	www.scientificexploration.org Title: Intent and the Process of Becoming Conscious: A Phenomenological View Summary: Peter Moddel argues that, although it seems reasonable to assume the world exists independently of our witnessing it, there is reason to suggest the contrary. Concept creation is how we bring things to consciousness and think about them. But concepts are formed in the mind and therefore all we know about the world is, to some degree, a mind creation. About the Author(s): Peter Moddel lives in Fribourg, Switzerland. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-15	https://youtu.be/ZFBRYjQ8CvE	SSE Talks - The Boundaries of Perception 1_3	www.scientificexploration.org Title: Exploring the Boundaries of Perception Summary: Engineer and former Stargate remote viewer Dale Graff examines common elements of a range of unusual experiences that may provide insight into modes of human perception, and dualities of sensing and knowing. About the Author(s): Dale E. Graff: BS Aeronautical Engineering; MS Physics; 10 Years with Aerospace Corporations; 30 Years in Technical Intelligence (FTD, DIA) Remote Viewing Research/Applications (Stargate) 1976-1993. For more, visit www.scientificexploration.org	Transcript Link

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TheSSEChannel	2009-04-15	https://youtu.be/Gq6FzclPOB4	SSE Talks - Evaluation of &%2339; Leaked&%2339; UFO Docs 1_4	www.scientificexploration.org Title: Evaluation of Two Original-paper Leaked UFO Documents Summary: Aeronautical engineer Dr. Robert Wood evaluates two famous 'leaked' documents pertaining to UFOs: "An Encyclopedia of Flying Saucers," and "The Burned Document." About the Author(s): Dr. Bob Wood graduated from the University of Colorados Aeronautical Engineering School, and went to Cornell to obtain his PhD in Physics. Bob spent 43 years working for McDonnell Douglas (now Boeing) in a wide variety of classified and unclassified research management situations. It was in the late 60s that he became aware of the potential importance of the UFO issue. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-15	https://youtu.be/zulI7YZgTQk	SSE Talks - Evaluation of &%2339; Leaked&%2339; UFO Docs 2_4	www.scientificexploration.org Title: Evaluation of Two Original-paper Leaked UFO Documents Summary: Aeronautical engineer Dr. Robert Wood evaluates two famous 'leaked' documents pertaining to UFOs: "An Encyclopedia of Flying Saucers," and "The Burned Document." About the Author(s): Dr. Bob Wood graduated from the University of Colorados Aeronautical Engineering School, and went to Cornell to obtain his PhD in Physics. Bob spent 43 years working for McDonnell Douglas (now Boeing) in a wide variety of classified and unclassified research management situations. It was in the late 60s that he became aware of the potential importance of the UFO issue. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-15	https://youtu.be/407V32gFDBI	SSE Talks - Evaluation of &%2339; Leaked&%2339; UFO Docs 3_4	www.scientificexploration.org Title: Evaluation of Two Original-paper Leaked UFO Documents Summary: Aeronautical engineer Dr. Robert Wood evaluates two famous 'leaked' documents pertaining to UFOs: "An Encyclopedia of Flying Saucers," and "The Burned Document." About the Author(s): Dr. Bob Wood graduated from the University of Colorados Aeronautical Engineering School, and went to Cornell to obtain his PhD in Physics. Bob spent 43 years working for McDonnell Douglas (now Boeing) in a wide variety of classified and unclassified research management situations. It was in the late 60s that he became aware of the potential importance of the UFO issue. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-15	https://youtu.be/FJVNc9ctxy0	SSE Talks - Evaluation of &%2339; Leaked&%2339; UFO Docs 4_4	www.scientificexploration.org Title: Evaluation of Two Original-paper Leaked UFO Documents Summary: Aeronautical engineer Dr. Robert Wood evaluates two famous 'leaked' documents pertaining to UFOs: "An Encyclopedia of Flying Saucers," and "The Burned Document." About the Author(s): Dr. Bob Wood graduated from the University of Colorados Aeronautical Engineering School, and went to Cornell to obtain his PhD in Physics. Bob spent 43 years working for McDonnell Douglas (now Boeing) in a wide variety of classified and unclassified research management situations. It was in the late 60s that he became aware of the potential importance of the UFO issue. For more, visit www.scientificexploration.org	Transcript Link

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TheSSEChannel	2009-04-15	https://youtu.be/avxG2rqpVPc	SSE Talks - Subjectivity in Anomalous Experiences 2_4	www.scientificexploration.org Title: 2008 Dinsdale Award Lecture Summary: Prolific UFO researcher Jerome Clark discusses the reference frames from which we approach the experience of phenomena outside of consensus reality. About the Author (s): Jerome Clark has been interested in anomalistics all his life. He is the author of nearly 20 books on the subject, including the multi-volume UFO Encyclopedia (1990-1998), and has won a number of literary prizes, including the Benjamin Franklin Award (twice) from the Publishers Marketing Association for lead titles in the Popular Science and Environment category. He has been an editor of International UFO Reporter for more than two decades and has served on the board of the Center for UFO Studies for as long. He worked on the editorial staff of the popular paranormal monthly Fate between 1976 and 1989. Recently, he returned to the magazine as book-review editor. Besides his work in ufology and Forteana, he is a music critic and songwriter who has had songs placed with popular country and folk performers including Emmylou Harris, Tom T. Hall, Seldom Scene, Mary Chapin Carpenter, and others. He lives in southwestern Minnesota. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-15	https://youtu.be/s5ypGrw5q1w	SSE Talks - Gravito-inertial Propulsion 1_3	www.scientificexploration.org Title: Gravito-inertial Propulsion Effect Predicted by the BSM - Supergravitation Unified Theory Summary: Stoyan Sarg discusses how the BSM-SG theory predicts that proper modulation of the physical vacuum can reduce the gravito-inertial mass of a spacecraft, resulting in a new propulsion mechanism with features similar to that of UFOs. About the author(s): Stoyan Sarg is a physicist and author based in Toronto, Canada. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-15	https://youtu.be/ZOY2mPmZjvE	SSE Talks - Gravito-inertial Propulsion 2_3	www.scientificexploration.org Title: Gravito-inertial Propulsion Effect Predicted by the BSM - Supergravitation Unified Theory Summary: Stoyan Sarg discusses how the BSM-SG theory predicts that proper modulation of the physical vacuum can reduce the gravito-inertial mass of a spacecraft, resulting in a new propulsion mechanism with features similar to that of UFOs. About the author(s): Stoyan Sarg is a physicist and author based in Toronto, Canada. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-15	https://youtu.be/qU57ApMRFOY	SSE Talks - Psi and UFOs_ Lessons for Physics 4_4	www.scientificexploration.org Title: The Common Elements of Parapsychology and UFO Experiences: Lessons for Physics Summary: Physicist and NSF fellow Claude Swanson examines the evidence supporting a range of anomalous phenomena, from UFOs to parapsychology, and discusses their potential implications to physical theory. About the author(s): Dr. Swanson was educated as a physicist at MIT (69) and received his Ph.D. in physics from Princeton University (1976). He has worked as a consultant in applied physics for more than two decades, as well as pursuing research into the physics of anomalous phenomena. His primary interest is in identifying areas of anomaly and developing an expanded physics model which can account for such phenomena. He has written a book, The Synchronized Universe-New Science of the Paranormal, summarizing some of his findings. For more, visit www.scientificexploration.org	Transcript Link

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TheSSEChannel	2009-04-15	https://youtu.be/vnOTqHn3Aew	SSE Talks - Invisible Rocketry_ Proton-Antiproton Thrust 3_3	www.scientificexploration.org Title: Invisible Rocketry: How to Produce an Apparently Reactionless Drive without Violating Newton's Third Law Summary: Princeton physicist York Dobyns explores a potential thrust mechanism for interstellar travel, based on proton-antiproton reactions. Results may be consistent with reported UFO phenomena. About the author(s): York Dobyns is a physicist (Ph.D. Princeton 1987) who spent 19 years as part of the Princeton Engineering Anomalies Research program. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-14	https://youtu.be/zrJcGfi8cfU	SSE Talks - Pranic Healing and Cells 3_3	www.scientificexploration.org Title: An Extensive Laboratory Study of Pranic Healing Using Cells in Culture Subjected to Gamma Radiation Summary: A long-term study showed that pranic healing techniques (believed by practitioners to be "Qi or life-force energy") significantly enhanced the survival rate of cells subjected to radiation. About the author: Joie P. Jones, PhD, Department of Radiological Sciences, University of California Irvine, Irvine, CA USA. For more, visit www.scientificexploration.org	Transcript Link
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TheSSEChannel	2009-04-14	https://youtu.be/14ibyAYWVHM	SSE Talks - Effects of Intention on Seedlings 2_2	www.scientificexploration.org Title: Effects of Distant Group Intention on the Growth of Seedlings Summary: Gary E. Schwartz, Ph.D., discusses the effect of focused group thoughts on the development of seedlings, in recent research carried out with Lynne McTaggart, Mark Boccuzzi, and Melinda Connor. About the author: Gary E. Schwartz is a Professor of Psychology, Medicine, Neurology, Psychiatry, and Surgery, and Director of the Laboratory for Advances in Consciousness and Health, at The University of Arizona in Tucson. He is also Corporate Director of Development of Energy Healing at Canyon Ranch. For more, visit www.scientificexploration.org	Transcript Link
TheSSEChannel	2009-04-14	https://youtu.be/bb4IWf4jNTQ	SSE Talks - Effects of Intention on Seedlings 1_2	www.scientificexploration.org Title: Effects of Distant Group Intention on the Growth of Seedlings Summary: Gary E. Schwartz, Ph.D., discusses the effect of focused group thoughts on the development of seedlings, in recent research carried out with Lynne McTaggart, Mark Boccuzzi, and Melinda Connor. About the author: Gary E. Schwartz is a Professor of Psychology, Medicine, Neurology, Psychiatry, and Surgery, and Director of the Laboratory for Advances in Consciousness and Health, at The University of Arizona in Tucson. He is also Corporate Director of Development of Energy Healing at Canyon Ranch. For more, visit www.scientificexploration.org	Transcript Link