



Society for Scientific Exploration

Making Connections

Finding the links among scientific anomalies.

34th Annual Conference • May 28 – 30, 2015

Hilton Washington DC/Rockville • Rockville, MD

**Society for Scientific Exploration
34th Annual Conference**

"Making Connections: Finding the links among scientific anomalies"

May 28–30, 2015

Hilton Washington D.C./Rockville

Rockville, Maryland (Washington, D.C. Metro Area)

Program Committee

Bill Bengston - Chair

Patrick Huyghe

Garret Moddel

Local Host

Nuzi Haneef

Wednesday, May 27

9:30 AM–5 PM **Council Meeting** (Roosevelt Room)

6:00 PM–9:00 PM **Registration and Cash Bar** (Atrium)

6:30 PM–8:30 PM **Opening Reception Dinner Buffet** (Atrium)

7:30 PM–9:00 PM **SSE Guest Session** *complimentary entry* (Roosevelt Room)

7:30 PM–8:00 PM: Light Refreshments for Guests

8:10 PM–9:00 PM: “Investigating the Big Scientific Questions that the Mainstream Won’t Touch” (Presentation by Garret Moddel with Q&A; targeted at non-members)

Thursday, May 28 (Plaza Ballroom)

Session I: Issues in Science 9:00 AM

9:00 Introduction and Announcements

9:15 *Founders Lecture & Award Presentation* — Robert Jahn “Founder’s Lecture”

10:00 Henry Bauer “The DISconnect between Reality and Contemporary Science”

10:25 AM Morning Break

10:55 William Kautz “Extension of Modern Science to Enable Research on Anomalies”

11:20 Garret Moddel “Dualism in Physics and New Science: Making Connections between Multiple Descriptions of Reality”

11:45 Jerry Gin “The Science of BioGeometry”

12:10 Kenneth Arnette “Energy is not Conserved: Connections among Consciousness, Thermodynamics, and String Theory”

12:35 PM Lunch Break

Young Investigators Meeting & Lunch (Roosevelt Room)

Session II: Issues in Healing 2:05 PM

2:05 *Invited Speaker* — John Ives “Frontier Science and Negative Findings: What Should We Do about These?”

2:50 John McMichael “A Novel Medical Treatment for Traumatic Brain Injury”

3:15 PM Afternoon Break

- 3:45 Bill Bengston "Can 'Anomalous Healing' Be Captured and Reproduced Without the Healer?"
- 4:10 Julie Beischel "Assessing Hematological and Psychophysiological Correlates of Anomalous Information Reception in Mediums"
- 4:35 York Dobyns "Heart Rate Variability and Earth's Cosmic Environment"
- 5:00 Imants Barušs "Alterations of Consciousness at a Matrix Energetics Seminar"
- 5:25 Business Meeting
- 7:00 Newcomers' Exclusive Welcome Reception (Patio Foyer)

Special Session: Newcomer Statements 7:45 PM

- 7:45 Newcomer Statements (Plaza Ballroom)
New members and 1st-time SSE conference attendees are invited to introduce themselves and/or make any brief statement they want to share with other attendees. All conference participants are invited and encouraged to attend.

Friday, May 29 (Plaza Ballroom)

Session III: Issues in Psi 9:00 AM

- 9:00 Announcements
- 9:10 *Invited Speaker* — W. J. Ross Dunseath "Physiological Correlates of Psi Phenomena: Pilot Study of EEG and PK"
- 9:55 Dale Graff "Psi Perception: A Range of Connections"

10:20 AM Morning Break

- 10:50 *Invited Speaker* — John Kruth "Healing, Biophotons, and PK at the Rhine Research Center"
- 11:35 Stan Krippner "Anomalies Associated with a Brazilian Medium"
- 12:00 Alejandro Parra "Does the Psychomanteum Technique Encourage a Psi-Conductive State of Consciousness?"

12:25 Afternoon Break (If not going on outing, lunch is on your own.)

Outing — Air & Space Museum in Washington D.C.: 12:30–6:00 PM

Lunch boxes distributed 12:30 PM (Atrium) bus leaves hotel 12:50 (from hotel rear entrance on Chapman Ave); bus leaves museum 5:45 PM; arrival back at hotel expected 6:00 PM.

Networking Session / Ice Cream Social 7:00 PM

7:00 Opportunity for networking and socializing (Plaza Ballroom)

Session IV: Issues in Unidentified Aerial Phenomena 8:00 PM

8:00 *Invited Speaker* — Rob Swiatek “The Problem They Pose: UFO Sightings in America”

8:45 Ron Westrum “French UFO Abductions: Far Too Few?”

9:10 Peter Resta “Alien Abduction Syndrome: A Critical Analysis”

Saturday, May 30 (Plaza Ballroom)

Session V: Issues in Consciousness 9:00 AM

9:00 Announcements

9:10 John Alexander “Firsthand Evidence for Interspecies Consciousness Communication”

9:35 Roger Nelson “Effects of Interconnection: Group and Mass Consciousness at Work”

10:00 Roger Taylor “Studies on ‘Life-Energy’ Leading to a Proposal for the Enhancement of Global Meditations”

10:25 AM Morning Break

10:55 James Clement van Pelt “Brain Flash: Implications of the Peak Neural Activity Preceding the Moment of Death”

11:20 Kenneth Smith “The Bureaucratic Mind and Your Health”

11:45 Douglas Kinney “Similarity of Rich NDEs with Between-Lives Regression Accounts”

12:10 Jerry Shifman “Speculation Unchained”

12:35 PM Lunch Break

Session VI: Issues in Physics 2:05 PM

2:05 Norman Hansen “Recent Studies of a Putative Human Bio-Field Using a Torsion Pendulum Balance”

2:30 George Williams “Quantum Mechanics, Metaphysics, and Process”

2:55 Nina Sotina “A Causal Interpretation of Quantum Mechanics”

3:20 Rongwu Liu “The Volume Field Model about Strong Interaction and Weak Interaction”

3:45 PM Afternoon Break

Session VII: Miscellaneous Issues 4:15 PM

- 4:15 Thomas Abraham "From Chakras to Vehicles: Consciousness and the Emergence of Form" (*Young Investigator's Award recipient talk*)
- 4:40 John Petersen "Six Slides That Will Change Your Mind about Climate Change"
- 5:05 Webb Sentell "Snarks, Boojums, Shamans, and Sasquatch: Why Does the Tree Cross the Road?"
- 5:30 Closing Comments
- 6:30 **Cocktails** (*cash bar*) — Patio Foyer
- 7:30 **Banquet** (*during banquet cash bar will be inside Plaza II & III*) — Plaza II & III

Sunday, May 31 (Washington Theater)

Registration 8:30 AM–9:00 AM

Workshop 9:00 AM–5 PM

Controlled Remote Viewing: Dominique Surel, with Dale Graff

- 10:25–10:45 Morning Break
- 12 Noon–1:30 Lunch Break
- 3:00–3:20 Afternoon Break

From Chakras to Vehicles: Consciousness and the Emergence of Form

Thomas Damon Abraham
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The following is a theoretical model for the evolution of consciousness as reflected in the development of the energosoma (aka holochakra); a term referring to the network of chakras constituting the individual's energetic body. Here, I draw comparisons between the widely accepted materialist theory concerning the evolution of species (i.e. Darwinian) and the less-accepted multidimensional account concerning the evolution of individual consciousnesses (i.e. Conscientiological). The overarching implication of materialism is that consciousness has a physiological basis; it is assumed to be an emergent property of a physical brain that has evolved stochastically via selection. While well-supported by a substantial body of evidence from fields such as neuroscience and evolutionary biology, this account does not adequately address the findings from a host of anomalous experience experiments that bring this underlying assumption into question, including evidence from remote viewing research and veridical out-of-body experiences, etc. In contrast, Conscientiological theory suggests that consciousness is not emergent from but rather expressed through matter as the underlying organizing principle of animation (i.e. life). Conscientiological theory likewise concerns the evolutionary process of the individual towards greater complexification and spiritual maturity. Herein I postulate how both evolutionary processes (physical and extraphysical) might co-occur in parallel and dynamically interact thus culminating in physical forms which are suitably adapted for their respective environments and the individual consciousnesses that inhabit them. Likewise, I review each of the primary chakras of the energosoma in terms of its respective function, physiological correlates, and possible species-level phylogenic correspondences. Lastly, I propose that the chakras exist as pre-eminent energies which drive the physical evolutionary process. As it pertains to rites of passage, I argue that a consciousness evolves serially across multiple lifetimes embodying varying physical forms in progression from rudimentary single-celled organisms to advanced human body types. The chakras, therefore, represent stages of development along this evolutionary trajectory.

Thomas D. Abraham is a Ph.D. student of Cognitive Neuroscience at the City University of New York where he currently studies motivation, reward, and learning in academic contexts. His previous research has investigated the efficacy of binaural beats and embodiment visualization techniques as a means to reduce the subjective experience of physical pain. Mr. Abraham is also a volunteer and researcher with the International Academy of Consciousness (IAC); a research- and education-based non-profit organization that examines the multidimensional nature of consciousness. Mr. Abraham's Conscientiological research focuses on the evolution of consciousness via physical vehicles of manifestation (i.e. bodies) and the role of the chakra system. He has published articles in the Journal of Conscientiology on various topics including bioenergetic games and proposed neuroscientific approaches for the study of bioenergetic phenomena. Additionally, he has developed a computer software application to experimentally test for effects of parapsychism in a remote viewing paradigm. This software is likewise designed to be used as a training tool to develop the parapsychic abilities of the user.

Firsthand Evidence for Interspecies Consciousness Communication

John B. Alexander
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This presentation explores apparent communication between experimenters and large sea mammals in their natural environment. One set of experiments was conducted with pods of bottlenose dolphins in the open waters of the Bahama Islands. Contact included both the sending of telepathic instructions and the corresponding responses by the dolphins. The results of the above-surface experiments tend to indicate that the dolphins received a telepathic transmission and agreed to cooperate. In addition there was engagement while swimming with the dolphins at ranges of a few feet to inches with significant interspecies awareness.

The results of the experience mentioned in my 2014 presentation, swimming with humpback whales, will be included. That experiment took place in the Pacific Ocean near Vava'u in the Kingdom of Tonga. The open ocean dives included engagement with the whales at ranges that varied from hundreds of feet to a few inches. The findings are contrary to widely held beliefs about the danger of being in close proximity and are suggestive that the whales had extraordinary awareness of our presence and on occasion chose interaction. The presentation will include amazing firsthand video of engagement at ranges just inches from our party.

John B. Alexander, Ph.D., has been a full member of the SSE for more than three decades; served as a council member for three terms; and hosted two annual conferences. He is a former president of the International Association for Near-Death Studies (IANDS) and founding board member of the International Remote Viewer's Association (IRVA). Dr. Alexander was a colonel with Special Forces combat experience in Southeast Asia and an extensive R&D background when he retired from the U.S. Army. Later he continued scientific research at Los Alamos National Laboratory, a campus of the University of California. After retiring again he served as an advisor to the Minister of Defense in Afghanistan (2003) and then as a senior fellow at a DoD university addressing national and international security issues. Dr. Alexander has written several books and many papers on both national security matters and various phenomena.

Energy is *not* Conserved:
Connections among Consciousness, Thermodynamics, and String Theory

J. Kenneth Arnette, Ph.D., Ph.D., L.P.C.
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The Law of Conservation of Energy (or Matter-Energy, in the case of nuclear processes) is a bedrock principle in the physical sciences that has never been seriously questioned. Yet, this law has also never been proven to apply generally to all systems and situations. With the advent of string theory, a fundamental question concerning energy's conservation arises, due to the facts that string theory: (1) proposes at least one additional extended spatial dimension beyond our familiar three; (2) suggests that gravitons are closed-loop strings composed of energy; and (3) holds that gravitons are not affixed to space-time, and so can (and do) escape our space-time and leave our universe — thus representing a net loss of energy. Further, a type of *anomalous subjective experience*, the near-death experience, strongly hints that consciousness is associated with closed-loop strings, and that upon physical death, one's consciousness leaves this universe (the implication being that consciousness enters this universe the same way it leaves). Therefore, my hypothesis is that energy leaks from this universe in the form of gravitons, and is exchanged between this universe and a parallel one through the transitions of individual consciousnesses between the two space-times. If my hypothesis is correct, then the conservation law must be severely revised to apply only to certain physical systems that involve neither consciousness nor gravitation. But, since all mass is associated with gravitation to a greater or lesser degree (depending on the magnitude of the mass involved), it is difficult to see how the conservation law can be saved; instead, it should be seen as an *approximation* that holds best for inanimate, low-mass, physical systems.

Kenny Arnette is currently an undergraduate philosophy major at the University of Memphis, and expects to be entering graduate school this Fall. He previously earned Ph.D. degrees in Physical Chemistry and Counseling Psychology, and is a Licensed Professional Counselor (Colorado). He has been a member of SSE since 2001. His main areas of interest are consciousness and the mind-body problem, and exploration of anomalous subjective experiences and their meanings.

Alterations of Consciousness at a Matrix Energetics Seminar

Imants Barušs, Carrie van Lier, Diana Ali

Department of Psychology, King's University College at the University of Western Ontario.

Matrix Energetics is a system of self-transformation developed by Richard Bartlett in the context of alternative medicine, which he teaches at training seminars around the world to anyone who wishes to learn it. The authors conducted the present study to determine what happens psychologically at a Matrix Energetics seminar and to see if there are any long-term health benefits associated with participation at such a seminar. Participants were 97 attendees at a Matrix Energetics seminar held over three days at a hotel in Philadelphia, Pennsylvania. Participants were given questionnaires to complete before the beginning of the seminar, at the end of each of the three days, and through a website at a two-month follow-up. The questionnaires included measures of demographic information, personality, psychological well-being, physical and mental health, state of being, and profundity of experiences. In addition, behavioral observations were made and participants were interviewed. During the seminar, some participants appeared to experience reality as being more plastic than we ordinarily assume it to be and perceived themselves as having profound, meaningful, sacred, spiritual, transcendent experiences in altered states of consciousness that brought them closer to the truth. Although the study was not designed to verify them, among the 42 interviews and 427 written comments were claims of occurrences of anomalous phenomena, including instances of physical healing. Participants showed slightly improved health at a two-month follow-up, although that result must be interpreted with caution given the small proportion of participants who completed the follow-up measures and the fact that such improvement cannot be attributed to seminar attendance. The implications of these results for non-contact healing are discussed.

Imants Barušs (presenting) is a professor of psychology at King's University College at The University of Western Ontario where he teaches courses about consciousness. He is the author of five books including *Alterations of Consciousness*. He may be reached at baruss@uwo.ca.

Carrie van Lier completed her B.A. in psychology at the University of Western Ontario and currently works at The Westin Grand Cayman Seven Mile Beach Resort and Spa on Grand Cayman Island.

Diana Ali completed her B.A. in psychology at King's University College at the University of Western Ontario and currently works at Family Service Thames Valley, London, Ontario, Canada.

The *DIS*connect between Reality and Contemporary Science

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Contemporary pronouncements by official agencies and by professional associations and their journals about matters of science, including issues of great public importance, have become significantly contrary to the actual facts on an increasing range of topics. This seems incredible in light of the historical successes of science which led to the widespread view of modern science as evidence-based and self-correcting. But that view fails to recognize the degree to which “science” has morphed from the vocation of a relatively small number of intellectual entrepreneurs to a vast enterprise driven by motives other than truth-seeking, enmeshed in a host of institutional as well as personal conflicts of interest. A vicious circle: Minority views are dismissed because “Science” is always trusted, thereby suppressing the evidence that “Science” is not always to be trusted. HIV/AIDS is an outstanding illustration of officially accepted views persisting for decades despite being obviously contrary to fact.

Henry Bauer is Emeritus Professor of Chemistry & Science Studies and Emeritus Dean of Arts & Sciences, Virginia Polytechnic Institute & State University (Virginia Tech). Earlier he worked at the Universities of Sydney, Michigan, Southampton, and Kentucky. Austrian by birth, he was educated in Australia and became a US citizen in 1969. His publications include a dozen books; CV with full details at www.henryhbauer.homestead.com. His interest in heterodoxies began with the Loch Ness Monster, which led to learning about the Velikovsky Affair, which led to acquaintance with Marcello Truzzi and introduction to and joining with the founders of SSE.

Assessing Hematological and Psychophysiological Correlates of Anomalous Information Reception in Mediums

Julie Beischel

Website: www.windbridge.org

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.

Can “Anomalous Healing” Be Captured and Reproduced Without the Healer?

William F. Bengston
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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 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 also has investigated assorted correlates to healing such as geomagnetic micropulsations and both EEG and fMRI harmonics and entrainment.

Communication Faster Than Light

Poster Presentation

Hugh Deasy

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The Newtonian theory of gravity implies that there is an instantaneous response of a test mass to a gravitating body even if it is light years away. General and special relativity, on the other hand, require that nothing may travel faster than light. If gravity does travel at the speed of light, however, there may be a problem with ‘aberration’ and non-normal gravitational components on the orbit, though a correction factor in relativity promises to solve this. Recent estimates from gravitational tides on the Earth seem to confirm that gravity is indeed propagated at light speed. Other estimates based on solar perturbations on satellite orbits, on the contrary, suggest instantaneous force action. So the jury is still out. The current experiment may be performed with modern sensors and allows measurement of the speed of gravity in the laboratory. If there is no aberration, then no time delay should be measured in these experiments. It also leads to the idea of measuring the Coulomb force speed, to investigate the presence or absence of aberration there as well. Some experimental evidence for the absence of aberration in the Coulomb force seems already to exist, lending the idea of using this effect, if confirmed, for faster-than-light communication.

Deasy’s first degree was in Theoretical Physics. After picking up a Master’s and Ph.D. in astrophysics (Cepheid Variables; period changes and mass loss respectively), he entered the field of Flight Dynamics, contracting at ESOC, the European Space Operations Centre. In private research on electromagnetic phenomena he has developed some ideas in the areas of propulsion, energy generation, and faster-than-light communication. In recent months, he has published a paper in the *Journal of Space Exploration* (also JSE!) on “Measuring the speed of gravity and/or the Coulomb force” and has performed tests on possible faster-than-light communication in this area. First results provisionally confirm the effect seen by other works in this field. More tests are on-going.

Heart Rate Variability and Earth's Cosmic Environment

Rollin McCraty, Michael Atkinson, Abdullah Alabdulgader,
and York Dobyns
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From 1 March 2012 through 31 August 2012, a long-term project collected heart-rate variability (HRV) data from 16 volunteer participants in Saudi Arabia. Ten different HRV measures were collected. At the same time, data were collected on 12 variables of the geomagnetic or cosmic environment. Both data sets were summarized hourly. The hypothesis that human HRV measures might react to these environmental influences was tested by performing multivariate regression analysis after removing circadian influences from both datasets. The first conclusion of this analysis was that individual participants showed a great deal of idiosyncratic variation in their HRV responses. Although intrinsically interesting, these individual variations added enough complexity of interpretation that all further analyses were based on population averages across the 16 participants. In these averages, statistical evidence for a reaction is quite strong: of the 120 tests for 10 HRV measures against 12 environment variables, 74 (62%) show $p < 0.05$ significance, while 31 (26%) show $p < 0.001$ significance. The lowest p -value found in any test, after Bonferroni correction for the full number of tests performed, becomes $p = 1.91e-14$. HRV measures of particular interest are Inter-Beat Interval (IBI), log High-Frequency power, and normalized Low- and High-Frequency power, each of which show significant reactions to 10 of the 12 environmental variables. Environment variables of particular interest include the Schumann resonance, the F10.7 index, and cosmic ray counts, which show reactions in 10, 9, and 8 HRV measures, respectively. The scale of the regression coefficients suggests that the effects of these environment variables may account for about 2% to 8% of heart rate variability.

York Dobyns (presenting co-author) received his Ph.D. in Physics from Princeton University in 1987 and has been a Full Member of the SSE since the early 1990s. He worked at the Princeton Engineering Anomalies Laboratory from late 1987 until its closure in early 2007. Since then he has worked for several research projects at Princeton and elsewhere. Currently he is doing software development and database management for the Kentucky Cancer Registry while serving part-time as an analytical consultant for the HeartMath Institute.

Physiological Correlates of Psi Phenomena: Pilot Study of EEG and PK

W.J. Ross Dunseath

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www.medicine.virginia.edu/clinical/departments/psychiatry/sections/cspp/dops/home-page

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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 ($p < 0.05$, two-tailed) 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. Kelly, E. F. and Locke, R. G. (1981b). A note on scrying. *Journal of the American Society for Psychological Research*, 75, 221–227.

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.

The Science of BioGeometry

Jerry Gin

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In a world where we are continuously impacted by the environment, often in negative ways, it would be ideal to be able to neutralize those negative energies to reduce their effects on us. One such source is harmful radiation from electromagnetic fields (EMF) all around us. Then there are the toxins in the air and water, pesticides and antibiotics in foods, and the microbes in the air and the environment. All of the negative components of the environment have the potential to cause a wide spectrum of diseases. BioGeometry is a science which offers a possible solution.

Dr. Ibrahim Karim, founder of BioGeometry, built upon the work of French radiesthesia scientists and found the energies which contribute to health in biological beings. He defines BioGeometry as “the science of establishing harmony between biological fields and their environment, through the use of design, language of color, form, motion and sound.” We are all receptors of the “quality of physics” from an energetic perspective — we see electromagnetic radiation in the range of 400 to 700 nanometers and call this color; we hear compression of air waves and call this sound; we feel with our skin via sensors that transmit signals to our brain; the same can be said of all of our primary senses. Sound and color and all energies are related through resonance. Dr. Karim discovered that harmonics of three energies, called BG3, were beneficial to health of humans, animals, and plants. He discovered ways to create these energies and studied the beneficial effects of the energies on diseases such as hepatitis, reversing EMF sensitivity, growing plants without pesticides, and raising chickens without use of antibiotics. This talk gives an introduction to BioGeometry and the studies that have been conducted.

Jerry Gin is Chairman of I-ASC (Institute for the Advancement of Science and Consciousness), the home of FMBR. He is founder and President of Nuvora, Inc., a company with products and technology for sustained delivery of ingredients in the oral environment (Salese for dry mouth and Dentiva for oral health). He is also founder and Chairman of Livionex, a company with a new technology to treat inflammation and remove biofilms (Livionex Dental Gel). His previous companies include being founder and President of Oculex Pharmaceuticals (drug delivery for the eye) and ChemTrak (home cholesterol test). He has been in corporate positions at Dow Chemical and Syntex Pharmaceuticals. His PhD in Biochemistry is from UC Berkeley, MBA from Loyola College, and BS in Chemistry from U of Arizona.

Psi Perception: A Range of Connections

Dale Graff

PSI - SEMINARS - INITIATIVES

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A close examination of the data from psi investigations can provide insight into some of the processes involved in psi perception. This presentation describes several well-controlled psi dream projects that illustrate the various pathways, or connections, that occur when the psi-accessed information is presented to subconscious and consciousness awareness. The data can be associated with features of triune brain functions — the reptilian, the limbic, and the neocortex. Some psi dream experiences are lucid; when the dreamer is aware of being in a dream. Possible connections between lucid dreaming and some of the incidents reported as UFO encounters are discussed. Potential sources of psi data and the relevance of a speculative quantum physics perspective published by Wolfram Schommers of the Nuclear Research Center, Karlsruhe, Germany, are considered. Schommers' formulation presents energy and momentum as an abstract concept and the material universe as not imbedded in space-time but as projected into it. The significance of this perspective for mind-energy interaction is discussed. Connections with neurophysiologists and other cognitive scientists in conventional research areas are suggested and include the National Institute of Health (NIH) and other organizations.

Dale E. Graff, M.S. Physics, is a researcher, writer, and speaker internationally known for his insights into the processes of the mind. He is recognized for his understanding of our natural psi talents as being a spectrum available while awake — Conscious State Psi (CSP) and while asleep and dreaming — Dream State Psi (DSP). His books, *Tracks in the Psychic Wilderness* and *River Dreams*, have brought him international recognition as he describes his personal evolution from scientific doubter — degrees in aeronautical engineering and physics — to that of accepting the reality of psi abilities. These books have been praised for their honesty and for the way he presents psychic experiences in a neutral perspective, free of dogma and belief systems. He facilitates seminars and workshops, performs psi investigations and publishing articles.

Recent Studies of a Putative Human Bio-Field Using a Torsion Pendulum Balance

J. Norman Hansen, Ph.D.: nhansen@umd.edu

Emeritus Professor of Biochemistry, Department of Chemistry and Biochemistry
University of Maryland, College Park, Maryland

The ability of a torsion pendulum balance to detect and characterize what appears to be a human bio-field has been reported previously (Hansen and Lieberman, *Journal of Scientific Exploration*, Vol. 27, No. 2, pp. 205–225, 2013). These experiments have been replicated and confirmed (W. van den Berg, *Journal of Scientific Exploration*, Vol. 29, No. 1, pp. 37–45, 2015). This presentation describes recent advances in quantifying and interpreting the effects of a subject on the torsion pendulum.

The earlier work established a pattern of subject effects that were common to nearly all subjects tested, indicating that effects on the pendulum require neither unique talent nor practice. However, it has been observed that some subjects, especially ones that have pursued a meditative practice for many years, exert very different effects during a meditative state compared to a non-meditative state. Data will be presented to demonstrate this, which shows that the mental state of a subject can strongly affect the behavior of the pendulum.

The earlier published studies used a pendulum that was suspended by a short nylon monofilament, which gave pendulum motions that conformed to a damped simple harmonic oscillator (*sho*) in the absence of a subject; but departed from this *sho* behavior in the presence of a subject. Particularly striking was the displacement from the natural center of oscillation in the presence of a subject, and the persistence of these effects for 30–60 *min* after subject departure.

Experiments have been performed in which the nylon monofilament was replaced by a length of chain. Instead of behaving as a simple *sho*, the pendulum motions were highly damped; resulting in pendulum motions that reflected subject effects that were much less obscured by *sho* motions. The motions of the pendulum with a chain support were examined in detail, particularly during those periods of time in which the pendulum departed significantly from its natural center of oscillation. The analysis was surprising in that the motions of the pendulum could not be easily reconciled with expectations from classical principles of inertia and momentum. Recognizing that this could be an artifact of the chain support, data from the nylon monofilament support was also examined closely. This resulted in the discovery that the nylon monofilament support provided similar results, but were less obvious than with the chain support.

The experimental data with respect to these new results will be presented.

J. Norman Hansen has a Ph.D. in Biochemistry from UCLA and after 38 years on the UMCP Faculty, is an Emeritus Professor of Biochemistry at the University of Maryland, College Park, and is a Full Member of the SSE. He has 68 articles in peer-reviewed journals which have been cited 2800 times, and 12 US patents. A list of publications and patents is available at: https://scholar.google.com/citations?user=GkWED_QAAAAJ&hl=en.

Frontier Science and Negative Findings: What Should We Do about These?

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Dr. Ives will present original research from his and collaborators' laboratories on the frontiers of science. His talk will present both positive and negative findings and focus on the studies that were unable to confirm claims for positive effects. There will be 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 un-published data will be presented and the issues and significant hurdles to publishing negative studies will be 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.

- Wayne B. Jonas, John A. Ives, Florence Rollwagen, Daniel W. Denman, Kenneth Hintz, Mitchell Hammer, Cindy Crawford, Kurt Henry. Can Specific Biological Signals Be Digitized? *FASEB*. 2006; 20: 23–28.
- J. Kiang, J. A. Ives, W. B. Jonas. External bioenergy-induced increases in intracellular free calcium concentrations are mediated by Na⁺/Ca²⁺ exchanger and L type calcium channel. *Molecular & Cellular Biochemistry*. 2005; 271:51–59.
- John Ives. Evaluating Unusual Claims and Devices Using A Team Approach: A Case Study. *Subtle Energies & Energy Medicine*. 2002; 13:39–59.

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.

Founder's Lecture

Robert G. Jahn

To be invited to deliver the first Founder's Lecture of the Society constitutes an immense, albeit daunting, honor. This Society is an important scholarly entity, and it is destined to become far more consequential in its intellectual, political, and administrative future as its public purview matures. There is just one minor issue: no one seems quite to grasp what such a lecture should address, or, for that matter, how a "founder" should be defined. Does he (or she) epitomize a certain array of values or talents or visions? Does he favor a particular scholarly strategy? Does he deploy a particularly effective style of operation? And if so, what is it? Alternatively, does the opportunity carry with it its own set of prerogatives to be espoused in due course? Frankly, given the uncertainty of our governing body to concur on the definition of the lecture, I have arbitrarily opted for the second alternative.

This opens the thesis of this lecture to inclusion of various elements of philosophy, history, and science, a tad of each I shall try to include, but at the end of the effort, it must be *your* values, *your* recollections, and *your* intuitions, that must prevail! Why? Because it is *your* Society, you must drive it, and it must drive you, or it will never fulfill itself or fully prosper. Oh, there have indeed been founders, in the traditional sense. Most of them very good. Most of us know who they are and were, what they have done, and what we owe them. But what is needed now is new blood, new energy, new wisdom, new commitment. The founders should be honored, but not replicated. SSE must continue to mature to an exciting, productive entity that fulfills its founders' *spirit* on an on-going basis, as it grows with its insights and achievements compounding.

An example: over past decades, my long-term colleague, Brenda Dunne, has labored to sustain our founders' spirit in a cadre of exciting and excited young people who, with fresh ideas and fresh energies, could carry our founders' heritage forward into new topical areas and scientific strategies that will continue to broaden the range and impact of many classes of anomalous phenomena, and our understanding and profitable application of them. Therein resides the real future of the Society and the mighty social role our founders have foreseen for it. We shall always need to think well, to plan well, and to share our best thoughts well. But we must teach well also, and that requires that we teach others to teach well, at every level. This is now our missing link. The cultural educational system lacks this element of outreach. Who will provide it? Public education? Not likely. Private institutions? Better organized religions? Forget it. What is the entity to preside effectively over this inculcation of global insight? Anybody you know? Think about it!

Robert G. Jahn is Professor Emeritus of Aerospace Sciences and Dean Emeritus of the School of Engineering and Applied Science at Princeton University. In addition to his work in the field of electric propulsion, he established the Princeton Engineering Anomalies Research (PEAR) Laboratory in 1979, which he directed until its closing in 2007. He currently serves as Chairman of International Consciousness Research Laboratories (ICRL). One of the founding members of SSE, Prof. Jahn has served as an officer of SSE since 1986.

Extension of Modern Science to Enable Research on Anomalies

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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.

Similarity of Rich NDEs with Between-Lives Regression Accounts

Douglas Kinney, Author of *Frontiers of Knowledge*

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Sponsor: Yury Kronn

Rich near-death experiences are characterized by a number of experiences in a nonphysical spiritual realm. For research purposes, NDEs are often summarized by the number and depth the experiencer has of a semi-standardized set of elements — primarily created for the *pleasant and/or heaven-like* NDE. These experiences include the first two events normally found in any NDE: the out-of-body experience and heightened senses. For a richer and deeper NDE, the experience includes the element of “moving rapidly away from earth toward a nonphysical realm” and additional experiences the NDEr has along the way to and in this realm. A very rich NDE can include encountering a mystical or brilliant light, encountering mystical beings or deceased relatives or friends, and spiritually enlightening experiences. All of the same experiences (and a few more) typically occur in the deep experiences that a subject has in a between-lives regression.

I will briefly introduce this regression process, present an overview of its development, and summarize the major discoveries it has made of the nonphysical, spiritual realm and its inhabitants — souls. To highlight its similarities, I will show, using an expanded set of NDE elements, that almost all of the experiences present in rich NDEs and a typical between-lives regression are the same or similar. Also, the descriptions NDErs give of the energetic appearance of deceased relatives and beings in this realm are the same as what between-lives regression subjects provide.

Information from the two experiences reinforce the validity of each’s discoveries and descriptions of a nonphysical realm, the beings that inhabit it, and their connection to us, and the role they play in our human lives, including the phenomena of reincarnation. Together, they provide a knowledge breakthrough in understanding our spiritual heritage — which is the basis of our existence and the source of our human consciousness.

Douglas Kinney is the author of *Frontiers of Knowledge: Scientific and Spiritual Sources for a New Era* — the story of unfolding scientific, consciousness, and spiritual developments that are revolutionizing our understanding of our universe and ourselves. His background covers both science and spirituality. He has a B.S. in aerospace engineering, an M.S. in management science, and advanced studies in operations research. Most of his professional career has been as a system engineering architect on large engineering programs in the Defense Department and large defense contractors. He is also a New Thought minister and practitioner, a certified spiritual hypnotist for past- and between-lives regression, a spiritual journalist, and has personal relationships with several spiritual channels. He has studied Spiral Dynamics (the evolution of societies) with Dr. Don Beck and the nature of the human personality with Mike Jay, a master personal coach. His main talent is the ability to see patterns and develop an integrated story for science, consciousness, and spirituality. He holds memberships in several organizations exploring the interfaces among science, consciousness, spirituality, and the evolution of humanity: the Society for Scientific Exploration (SSE), the Institute for Noetic Science (IONS), the Association for Research and Enlightenment (ARE), the National Association of Transpersonal Hypnotherapists (NATH), and the World Future Society. Keep up with his work at www.douglaskinney.com.

Anomalies Associated with a Brazilian Medium

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Amyr Amiden, a Brazilian claimant medium, purports to have “made connections” with the “spirit world.” We can view “spirits” as a hypothetical construct and focus on the phenomena produced in the framework of this construct. My colleagues and I have published an article in the *Journal of Scientific Exploration* (JSE) about some 90 anomalous phenomena observed during a week of observation by a multidisciplinary team representing psychology, anthropology, medicine, and physics. Significant correlations were found between the degree of anomaly (measured by a 5-point scale) and both systolic blood pressure and geomagnetic activity as measured locally by a magnetometer. Such “apports” were produced as a pair of linked metal rings, small diamonds, perfume, and religious medallions. Videotaping of each session was attempted but the film recorded nothing but a straight white line during each of the sessions. On a visit with Amyr the following year, I observed several additional “apports,” one of them occurring when I was in a separate room. In 2014 I revisited Brasilia and asked Amyr for a photograph. As soon as my flash went off, a mint Joan of Arc medallion appeared. I asked for an additional photograph and accompanying the flash was a small polished stone. Inside the City of Peace headquarters, two pools of perfume appeared on stone surfaces during our conversations. Several explanations for these phenomena will be explored, including sleight of hand, unconscious psychokinesis, and “spirit” manifestations.

Stanley Krippner is a co-editor of *Varieties of Anomalous Experience*.

Healing, Biophotons, and PK at the Rhine Research Center

John G. Kruth
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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, will discuss 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.

The Volume Field Model about Strong Interaction and Weak Interaction

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The core foundation of natural science is the particle model. Over a long time, the particle model has been challenged in three fields of nature: (1) the physical mechanism of the strong interaction and the weak interaction, (2) the origin and the end of the universe, and (3) the special life phenomena.

Quantum chromodynamics (QCD) and quantum flavordynamics (QFD), established by imitating quantum electrodynamics (QED), haven't provided a satisfactory form of mathematical description in theory; they can only explain some experimental facts about strong interaction and weak interaction phenomenologically. Speculation about the universe's origin and black holes, using general relativity, also has made the particle model fall into the abyss of the singularities of the universe and a black hole. In addition, the awkward situation of how the particle model treats the special life phenomena of the human body has also made people cast doubts on the authority and the range of application of the particle model, because the material ideas that the special life phenomena of human body manifest are incompatible with the physical concepts of the particle model.

This article systematically proposes a group of new physical concepts which are totally different from conventional physical concepts: Volume field (corresponding to particle) is a form of material existence in plane space (corresponding to point space); it takes volume-changing motion (corresponding to displacement motion) in the form of non-continuous motion (corresponding to continuous motion); the volume fields interact between them by overlapping their volume fields (corresponding to exchanging intermediary particles). On the basis of the above concepts, this article further proposes complex structure models of atomic nucleus and organism, the plane space model, and the periodic jump function model.

Based on these models, this article ultimately formulates a volume field model uniformly describing the strong interaction and the weak interaction both in the atomic nucleus and in the organism, and successfully explains the problems of the asymptotic freedom and quark confinement in the atomic nucleus, as well as the psychokinesis associated with human body, and consequently brings the special life phenomena of human body into the frameworks of the strong and weak interactions. In addition, this article also proposes a model of space-time conversion based on the volume field model, suggests that the plane space-time and the point space-time convert each other by means of rupture and merging respectively, the essence of the space-time conversion is the mutual transformation of material and energy respectively. The model of space-time conversion also brings the cosmological singularities into the frameworks of the strong and weak interactions.

My name is Rongwu Liu, graduated from Qufu Normal University, in Qufu, Shandong — the hometown of Confucius. My major is physics, I had been a teacher for 20 years before I came to U.S.A. in 2007. I have studied paranormal phenomena for 20 years. In August, 2014, I attended 57th annual convention of Parapsychology held in Concord, CA, with a poster titled *The volume field model about strong interaction and weak interaction*.

A Novel Medical Treatment for Traumatic Brain Injury

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In the United States about 1.5 million people suffer a traumatic brain injury (TBI) each year. This type of injury results in compromised function either temporarily or permanently. Of the 1.5 million so afflicted, approximately 50,000 will die and 80,000 will have some degree of disability. The leading causes of TBI are accidents (auto, bicycle, pedestrian), assaults, and sports-related injury. Current treatment focuses on rehabilitation in the forms of physical, occupational, and speech therapy; psychiatric care; and palliative medical intervention.

Multiple evaluations of an oxidized form of a bacterial toxin, streptolysin O (SLO), have proven that molecule's ability to prevent new scar formation and decrease or eliminate old scars in a wide variety of superficial and internal indications in man and domestic animals. Although TBI-induced scarring is not of the collagen type associated with scars in other tissues, SLO was tested in an animal for TBI and evaluated in ex-NFL players suffering from complaints associated with multiple concussions.

John McMichael received his B.S. in microbiology from the University of Maine, his Ph.D. in immunology and virology from Oregon State University, did post-doctoral work at the Wistar Institute in Philadelphia, and then held positions in private industry and academia. He is currently the CEO of Beech Tree Labs, Inc., a privately held company with headquarters in Providence, Rhode Island, that focuses on the discovery and early development of products for the treatment of chronic and infectious diseases.

Dualism in Physics and New Science: Making Connections Between Multiple Descriptions of Reality

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We usually assume that different theories explaining the same phenomenon cannot all be correct, no matter whether the field is physics, philosophy, or parapsychology. That notion is wrong. In fact, there are dual approaches to nearly every physics concept. The implications affect not only how we think about physics, but also many other disciplines.

The concept of dualism has a long history in the philosophy of mind, in which mind and matter are viewed as separate. Here I show that conventionally accepted physical theory is also described by two types of theory, one mind-like and the other matter-like. The mind-like theories are based upon principles and appear to be driven by a purpose, whereas the matter-like theories are based on process and appear to be mechanistic.

Examples include:

- Thermodynamics
- Laws of motion
- Optics
- Electromagnetics
- Black hole evaporation
- Semiconductors
- Microscale interactions (quantum mechanics)

The implications include:

- Deeper understanding of the nature of physical theory and the workings of the universe.
- A clearer understanding of what quantum mechanics lacks. A specific solution to the quirkiness of quantum mechanics is suggested.
- Placing the dualism in psi phenomena into context with other scientific theories. Psi is known to have several alternative perspectives, including precognition versus psychokinesis, and experimenter effect versus subject psi. As an example, the mechanisms of the Global Consciousness Project are elucidated.

Garret Moddel is a professor of Electrical, Computer, and Energy Engineering at the University of Colorado. Along with developing new energy conversion technologies, his research group investigates psi phenomena. Currently he is serving as SSE Vice President, and was the organization's previous president, and prior to that, president & CEO of Phiar Corporation, a high-tech start-up company. Garret earned a B.S.E.E. degree from Stanford and M.S. and Ph.D. degrees in Applied Physics from Harvard.

Effects of Interconnection: Group and Mass Consciousness at Work

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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.

Does the Psychomanteum Technique Encourage a Psi-Conducive State of Consciousness?

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The mirror-gazing procedure termed the “psychomanteum” was developed by the world-renowned psychiatrist Dr. Raymond Moody. It was designed to facilitate reunion experiences with deceased individuals, as a means of addressing the feelings surrounding bereavement. Although the modern psychomanteum is not normally employed to seek ESP information about the future, it may be that the psychomanteum is psi-conducive. For example, there are many similarities and differences between psychomanteum experiences and accounts of hypnagogic/ hypnopompic imagery, which is conducive to ESP. The aim of this paper was to explore whether the psychomanteum technique encourages a psi-conducive state of consciousness, which would result in scoring that is significantly above MCE. One hundred and thirty participants (92 females and 38 males; Mean age= 47.44) were recruited by announcements in newspapers and our web site. Seventy-eight percent claimed to have had a variety of ESP experiences. A number of variables, such as vividness of imagery and hallucinatory experience, were examined. Two conditions, psychomanteum and non-psychomanteum, were compared. A CD-pool containing 200 high-quality color pictures, such as animals, icons, foods, people, landscapes, religion, scenic pictures, structures, and humoristic cartoons, was designed using a RNG for randomization. Under psychomanteum condition, psi-hitting was obtained (30.8% above MCE); however, under no-psychomanteum (“control”) condition, 29.2% was obtained (where 25% was expected). The results differ slightly from MCE in the psychomanteum condition ($p = .02$, one-tailed) in comparison with non-psychomanteum condition, but no significant differences were found. A number of positive correlations were also found, for instance, participants who attained higher scores on auditory and visual hallucinations tended to demonstrate psi-hitting.

Alejandro Parra received his Bachelor of Arts and Master of Arts degrees from the Universidad Abierta Interamericana (www.vaneduc.edu.ar/uai), where he is now a teacher and associated researcher. He received his PhD in psychology from the Universidad de Ciencias Empresariales y Sociales (www.uces.edu.ar). He is licensed in Buenos Aires, Argentina (Mat. # 32.358), where he serves as a psychotherapist in general clinical psychological practice in the Clinical Area of the Institute of Paranormal Psychology. He conducts therapy groups and uses an historical approach in his continued research into parapsychology, dreamwork, and mediumship. In a counseling setting he also conducts workshops with psychics and mediums on their paranormal/spiritual experiences. His clinical research is based on cognitive-experiential and humanistic/Rogerian-oriented approaches with groups of people who have had paranormal experiences and dreams.

Six Slides That Will Change Your Mind About Climate Change

John L. Petersen

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The most hardened positions relative to global climate change both miss the essential nature of what appears to really be happening — and what the coming impact of what can already be observed. Only six slides are needed to show scientifically that something very large is underway that most of those participating in the politically and economically influenced debate are not considering. The logic makes sense and the implications will dramatically change your outlook of the future.

John L. Petersen is the President and Founder of The Arlington Institute and publishes and edits the acclaimed e-newsletter, FUTUREdition. Petersen is considered by many to be one of the most creative futurists in the world. He is best-known for writing and thinking about high impact surprises — wild cards — and the process of surprise anticipation and for having conceived of and developed the first national surprise anticipation system in the world for the government of Singapore.

Mr. Petersen's government and political experience include stints at the National War College, the Institute for National Security Studies, the Office of the Secretary of Defense, and the National Security Council staff at the White House. He was twice the runner-up candidate to be Secretary of the Navy. He was a naval flight officer in the U.S. Navy and Navy Reserve, flying aircraft carrier-based attack aircraft in Vietnam, and is a decorated veteran of both the Vietnam and Persian Gulf wars. He has served in senior advisory, fund-raising, and policy positions for a number of presidential political campaigns; advised three U.S. presidential candidates; and led a delegation to the Democratic National Convention in 1984.

An award-winning writer, Petersen's first book, *The Road to 2015: Profiles of the Future*, was awarded Outstanding Academic Book of 1995 by CHOICE Academic Review, and remained on The World Future Society's best-seller list for more than a year. His second book, *Out of the Blue: How to Anticipate Wild Cards and Big Future Surprises*, was also a WFS best-seller. Author of many articles and papers on different aspects of the future including national security and the military, the future of energy, and the future of the media, he was a featured contributor to the widely broadcast HISTORY Channel television special, NOSTRADAMUS 2012. John's latest book, *A Vision for 2012: Planning for Extraordinary Change*, presents a systems approach for preparing for big change whether from the perspective of a government, organization, or individual. Petersen is a former board member of the World Future Society, writes on the future of aviation for Professional Pilot magazine and the Aircraft Owners and Pilots Association, and is Chairman of the board of directors of the Charles E. and Ann Morrow Lindbergh Foundation. He has been a network member of the Global Business Network, a fellow of the World Academy of Art and Science, and was a member of the Global Agenda Council of the Geography of Innovation for the World Economic Forum. A provocative public speaker, he addresses a wide array of audiences around the world on a variety of subjects related to future trends and potential emerging worlds.

Alien Abduction Syndrome: A Critical Analysis

S. Peter Resta

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Sponsor: Stephen Braude

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.

Snarks, Boojums, Shamans, and Sasquatch: Why Does the Tree Cross the Road?

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The hypothesis that Sasquatch is a type of *Homo sapiens* has found increasing support in recent years even in the midst of controversy. Therefore, the old approach of putting them in the cross hairs of a high-powered rifle to secure a holotype increasingly appears murderously inappropriate. Some SSE contributors consider Sasquatch a “de facto discovery” but mainstream science continues to deny the species’ existence. Ethically minded researchers are turning to the “habituation” model as the only viable alternative.

Samuel Webb Sentell, Ph.D., is perhaps the only published ethologist currently involved in serious efforts related to Sasquatch habituation. He presented his prior research entitled “Why Not Sasquatch” at the 2012 Bonfire of the Paradigms Conference of the SSE. He was limited in 2012 by a non-disclosure agreement and was not permitted to discuss the hypothetical human DNA findings at that time. Dr. Sentell presents new research on making connections with Sasquatch.

This current investigation covers not only the traditional ethological approach but also the Jungian archetypal perspective and the transpersonal perspective on these forest people. Dr. Sentell reports on two “habituation” sites and presents anomalous aspects of the Sasquatch mystery as it continues to unfold. Sasquatch, although exceptionally furtive by nature, appear willing to engage on their own terms in making connections with certain safe humans. The subtleties and implications related to the relationship connections seem to go beyond the normative science that we learned in graduate school and enter into the mystical and shamanic realms of the numinous within nature.

Speculation Unchained

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MUFON Field Investigator

We take as a given that the entire universe is made of a single omnipresent meta-substance, the ether, a hydrodynamic fluid that manifests equally well as empty space, protons, planets, tables, chairs, lecture halls, and humans. It is perpetually flowing down into certain points and disappearing. We call this inflowing process “mass”. And on the way down, it momentarily forms all mundane phenomena.

Starting with this premise we see that the etheric situation that we all experience on the surface of the earth is a complex matrix — the vector sum of the effects of all nearby massive bodies calculated as if each one was acting alone. From this viewpoint it is clear that everything is literally connected in a direct mechanical way. This realization leads to interesting insights into such disparate phenomena as astrology and healing by laying on of hands.

B.E.E. RPI 1959. Worked as an electronics design engineer and engineering manager. Retired 1994. Living in Portland, Oregon, with one cat, one dog, three chickens, and one wife.

I pursued a successful engineering career, but it was the riddle of gravity that fascinated me. After preliminary study in the 1970s, in 1985 I coined the term “Neoetherics” for my theory and wrote “Neoetherics — Visualizing Gravity.”

In January of 1997 I published my Neoetherics paper on my website.

In May, 1997, I presented Neoetherics at a conference organized by Ray Tomes and Ross Tessian called “Conference on the Fundamental Structure and Mechanisms of the Universe.”

In July, 1997, I took part in a conference organized by Norm Silliman called “The Nature and Structure of the Aether.” Here I met Steven Rado.

In 1998 I met John Chappell, JR., and became a member of the Natural Philosophy Alliance.

In May of 2000 I participated in an NPA conference held in Berkeley, California.

In July of 2000 I wrote “Telling Fish about Water” and presented it at a conference in St. Petersburg, Russia, on “Fundamental Problems of Natural Science and Engineering.” Proceedings: page 396.

In 2006 I wrote “The Hundred-Year Detour”. This is a shorter exposition of the Neoetherics concepts.

The Bureaucratic Mind and Your Health

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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.

A Causal Interpretation of Quantum Mechanics

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At present time there is no physical interpretation of quantum formalism that would not have contradictions within it or with accepted ideas and theories. Such situation in quantum mechanics is an important argument in support of the necessity of essential changes in physics; perhaps, the change of the scientific paradigm.

The author of the present work is a follower of a causal interpretation of quantum mechanics. A causal interpretation agrees with quantum formalism only if “nonlocal hidden variables” are taken into consideration (“nonlocal hidden variables” can be an unknown yet physical field or medium, wherein disturbances can spread at speeds greater than the speed of light).

In the present work it is proven that the Schrödinger equation can be derived from the deterministic laws of classical mechanics if “hidden variables” are introduced in physics. It follows from this classical approach, that the time-independent Schrödinger equation extracts from all solutions of the Hamilton-Jacobi equation only those solutions that satisfy a necessary condition of stability under small perturbation forces, and those for which the orbital angular momentum of a particle moving along a closed trajectory is quantized. Moreover, using the classical approach it is possible to make conclusion about some properties of the “hidden variables” from the Schrödinger equation.

Nina Sotina holds a Ph.D. degree in Physics from Lomonosov Moscow State University, Russia. For a long time Dr. Sotina was a research staff member at the Lomonosov Moscow State University. Presently she lives in New York City. Dr. Sotina is an author of over 100 scientific articles and two books. She is also one of the authors of the book *Life and Mind: In Search of the Physical Basis*, editor Savely Savva. Dr. Sotina has made contributions to various areas of physics and applied mathematics, such as a theory of hydrodynamics stability, a theory of Newtonian potential, a theory of multiphase media and quantum mechanics.

The Problem They Pose: UFO Sightings in America

Rob Swiatek
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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.

Studies on “Life-Energy” Leading to a Proposal for the Enhancement of Global Meditations

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Wilhelm Reich identified a beneficial form of subtle energy associated with life: “Orgone”. There are many ways to generate such energy: e.g. Pyramids, Orgonite (metal particles set in resin), non-Hertzian fields, and Ormus — the “White Gold” of David Hudson. I have developed a reliable quantitative dowsing method, based on measuring the radius of the innermost dowsable ring from the source. In this way I have compared the intensity of a variety of such sources under various conditions. Some important findings have received objective back-up from both UV spectroscopy of charged water and statistically controlled seedling growth experiments.

Principal findings include:

- Macroscopic quantum entanglement between identical images on paper, allowed a dowsable influence to be received from even across the Atlantic.
- Information (in the form of a number of frequencies) was also sent non-locally in this way.
- Where orgone, or life-energy, is a “syntropic” influence, promoting increased order, I have identified an “entropic” influence, which both discharges charged water, and inhibits seeding growth.
- Studies with ormus have revealed it can be made to quantum tunnel through glass.

It is proposed that this “life-energy” is an influence conducive to coherence in the zero-point energy, and thus to syntropic processes in the local material environment. Living organisms and water are particularly susceptible to such an influence. The ability of such a field to carry information suggests that it may be critical for the effectiveness of radionics.

It is concluded that methods for producing syntropic fields could play a critical part in healing our world, not only (1) By local syntropic effects — e.g. the Russian pyramids, and the effects of Ormus on health of humans, animals and plants, but (2) With the use of entanglement via images, to enhance remote human intention — for example by further empowering the effects of group meditations for peace.

Roger Taylor has done research in fundamental immunology at NIMR, London. Director of MRC’s Immunobiology Group at Bristol University. Current interests include quantum biology, subtle fields, computerised bioelectrography, ormus. Work on life energy presented at a number of scientific meetings. Four articles published in Syntropy journal (www.lifeenergyscience.it).

**Brain Flash:
Implications of the Peak Neural Activity Preceding the Moment of Death**

James Clement van Pelt
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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-led 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 *EdgeScience*; *Different Cultures, One World* (Rozenberg Publishers, University of Amsterdam); and *Venceremos* (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.

French UFO Abductions: Far Too Few?

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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.

Quantum Mechanics, Metaphysics, and Process

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Quantum mechanics has provided a successful framework for describing the behavior of the subatomic world. Its ontological interpretation remains mysterious, however. Alternative interpretations include aspects of our reality existing in quantum superposition (prior to measurement) or bifurcating into multiple separate realities. 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. This view eventually proved to be wrong, however.

This historical debate on nonlocality raises the question of what role metaphysical assumptions play among competing interpretations. Another class of quantum mechanical interpretations attempts a description of reality more congruent with our experience, yet via sharper deviations in metaphysical assumptions. Bohm, for example, posits an “implicate order,” which represents a substratum of reality underlying both mind and matter, ultimately governs the standard waveform. Stapp proposes a framework with similar goals through borrowing from Whitehead’s process philosophy. Both examples attempt explanations that conform to a more common sense view of reality, however perhaps somewhat controversial metaphysics.

The primary problem for resolving the puzzle of quantum mechanics is how to test the alternative interpretations, which are all consistent with the features of the available data. While Everett’s theory and many variations of the Copenhagen interpretation are likely impossible to test, there is greater hope among process explanations. Some versions of these (such as Bohm’s implicate order) are consistent with anomalous correlations between mind and matter. The growing psi literature, especially those on mind-matter interactions, suggests evidence for such correlations. Thus re-examining our metaphysical assumptions and exploring the directions suggested by process-oriented explanations may assist us toward resolving the persistent puzzles of quantum mechanics.

George Williams has a Ph.D. in Economics from Northwestern University. For the past 18 years, he has worked at the Federal Communications Commission, for the most part in the Media Bureau.

Workshop in Controlled Remote Viewing

The SSE conference will be followed by an all-day Workshop on Sunday, May 31, at the Hilton. This workshop is a unique opportunity for those who are planning to research Controlled Remote Viewing (CRV) and remote viewing (RV), or who are contemplating to do research using CRV.

The workshop will address the following questions: What is Controlled Remote Viewing (CRV)? How does it differ from Remote Viewing (RV)? What is the Military Protocol? What is the basic concept of CRV and what makes this Protocol so powerful?

Participants will learn about the theory, research, applications, and limitations of the CRV Protocol. The workshop will also discuss a unique pilot research study that was conducted using EEG while viewers were “on target” — accessing nonlocal information using CRV.

Participants will have the opportunity to experience accessing nonlocal information by using some of the basic components of the original military protocol. The workshop will be conducted by Dominique Surel, who has been trained to the Advanced CRV level by one of the best original military remote viewers, Lyn Buchanan. Dominique has been teaching CRV internationally for over ten years. She is Dean of Faculty at Energy Medicine University where she teaches CRV and Radiesthesia, the ancient Egyptian science of vibrational physics. She holds an MBA and her research topic for her Doctoral Dissertation was the Role of Intuition in the Decision-Making Process.

Dominique has invited former Stargate Director, physicist, and aeronautical engineer, Dale Graff, to join her in the workshop. Stargate was the government program for remote viewing research and applications. As a contract manager for the Stanford Research Institute (SRI) remote viewing program, Dale developed objectives and application evaluation projects. He created the term “Stargate” to symbolize expanding the range of human potential. Dale now specializes in precognitive dreaming and has published two books: *Tracks in the Psychic Wilderness*, and *River Dreams*. He has appeared in several A & E and Discovery Channel documentaries, the National Geographic Channel, and also has interviewed on Good Morning America and numerous radio talk programs.



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