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22nd ISSSEEM Conference: "Seen and Unseen Realities"

Message from the Co-Chairs

On behalf of ISSSEEM, we share with you the conference abstracts from our annual Research Symposium. ISSSEEM is an interdisciplinary society interested in the scientific and intuitive exploration of integrative healing, applied spirituality, and the subtle realms. This symposium and the conference that follows is fundamental to an open-minded search for knowledge, providing information and theories that advance our understanding of humanity, nature, the universe, and our inseparable interconnectedness.

Melinda Connor, DD, PhD, AMP and Dr. Kevin Chen, PhD, MPH

Requirements for Submission to the ISSSEEM Research Symposium

1. All studies will consist of new material which has not been presented at an ISSSEEM conference and preference will be given to studies which include data which has never been previously presented.
2. All studies will be presented by people who did the study or are properly authorized to present the study by the studies original authors (IE: PI, co-PI).
3. All case studies will have individual consents from the person who was the case study client.
4. All human studies (clinical or basic science) will have had an institutional review (IRB) or an ethics review which meets state or national standards.
5. All investigators doing human studies will be properly qualified to do human studies research which includes human studies protection training.
6. All investigators doing animal research will be properly qualified to do animal studies research, which includes animal studies ethics training.
7. All studies of pre-existing cumulative clinical data must go through a retrospective data analysis human studies review and the person(s) from whom data is being used must be individually consented prior to the abstract submission.
8. All abstracts are not to exceed 400 words.
9. Device studies are to be proof of concept, single case studies or clinical studies.
10. All theories will be presented by the original author or a person approved by the author of that theory.

The Peer Review Process:

Each study submitted to the ISSSEEM Research Symposium goes through the peer review process. Each abstract is grouped by the category under which the author submitted. Then the title and the abstract is numbered and all other information is removed. The members of the peer review committee then receive a copy of all of the abstracts, which are then ranked in each category. Comments are attached by committee members. The rankings are then tabulated and placement in the schedule is based on the individual rankings of each abstract. For those abstracts which have sufficient quality but for which there was not enough room in the schedule to provide an individual talk, the authors are invited to provide a poster session as an alternative.

Abstracts – in order of presentation

TITLE: “New discoveries in Klein- Levin Syndrome”

AUTHORS: Connor, M., Borkin, M., Pruit, L., Connor, C.

PURPOSE: To aid in the management and recovery from Klein-Levin syndrome for a teenaged male.

BACKGROUND: Klein Levin syndrome is a rare disease with approximately 500 cases worldwide. Individuals with the syndrome have difficulty regulating sleep and eating patterns and will often sleep for days in a row with an inability to rouse. Little research has been done into the syndrome and there is limited funding available for research in this area.

RESULTS: In this single case study it was discovered that metabolic precursors for amino acid development of the catecholamine, serotonin and glutamate pathways were dis-regulated. In addition, food allergies were uncovered. Several interventions were tried and it was discovered that Resonance Modulation in combination with Bach Flower remedies, ongoing counseling, exercise, neuro-feedback and nutritional intervention resulted with syndrome remission for periods of 8-12 weeks. Specifics of the interventions will be discussed.

DISCUSSION: While the remission was not sustained it has been repeated for shorter periods. Continuous improvement in nutrition, correction in use of over the counter allergy medication, corrections in daily supplements, supportive counseling, and teaching active coping skills have all supported improved daily life.

CONCLUSION: While there have been improvements in the management of the syndrome, further study needs to be done to find a complete resolution.

BIO: Caitlin Connor, is the 2011 gold medal winner of ISSSEEM's Rustum Roy Emerging Scientist award for undergraduates. A Resonance Modulation practitioner, she is currently enrolled and in her second year at the Arizona School of Acupuncture and Oriental Medicine.

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TITLE: “Integrated Approach to Recovery from Arthritic Knees”

AUTHORS: Connor, M., Connor, C., Rowe, M.

PURPOSE: To support the healing of arthritic knees.

BACKGROUND: In this single case study, five separate stem cell injection processes failed to support the re-growth of cartilage in the knees on a 76 year old man. The original football injuries to the knees

took place 1956 and medial meniscectomy surgeries were done in 1965 (right) and 1969 (left). Over the years there has been an increase in arthritis in the knees and in 2012 the individual began receiving three step stem cell injections. When these failed a choice was made to do an integrated intervention to support the next set of injections, using Acupuncture, Resonance Modulation Energy Healing, Tong Ren Healing, Massage, Water Aerobics, guided imagery, journey work, nutritional support, topical application of herbal decoction, and electro-dermal stimulation..

RESULTS: There was significant decrease in inflammation, pain, and swelling within eight weeks. The individual was able to double the distance he could walk without pain and was able to once again walk up and down stairs. Infrared imaging was used to track the decrease in inflammation and there was a drop of over three degrees in the knee areas. However, at eight weeks the individual developed rashes which were then determined to be the result of Graves disease (hyperthyroidism). A modification of the ongoing protocol was made and the rashes cleared. The knees continue to improve and the results of the latest injection of growth factor will be presented.

DISCUSSION: Interventions were tracked with independent measures but were done concurrently to support healing. These measures included: infrared imaging, blood tests, and functional assessment. The number of times per week of each intervention was specific to the part of the process it was designated to support, with the goal of having the knees ready and able to utilize the stem cells for maximum effect.

CONCLUSION: Integrative approaches may help to maximize recovery and improvement. Further study needs to be done to confirm that results are not individual.

BIO: Melinda H. Connor, DD, PhD, AMP, FAM. See peer review committee.

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TITLE: Integrated Healing of Post-Concussion Syndrome”

AUTHORS: Connor, M., Evanow, L., Connor, C., Holbrook, R.

PURPOSE: To support the healing of post-concussion syndrome.

BACKGROUND: Effective treatment of post-concussion syndrome is still in its infancy. This is a single case study of two episodes of concussion with loss of consciousness experienced two years apart, exacerbated by complications from an allergic reaction to anesthesia during surgery, which resulted in a light-triggered seizure disorder. The male individual was 17 years old at time of original injury. The program of intervention was begun within one week of hospital discharge and has continued for eight months.

RESULTS: The team used an integrative approach with Resonance Modulation, SAM's, Hemi-Sync, traditional “Negro Spiritual Music” from the antebellum period, Acupuncture, Neuro-feedback, Hyperbaric Chamber, nutritional support and movement integration to promote recovery. Evolution of the recovery and discussion of intervention specifics will be discussed in detail. Individual maintained university activities and continued to score in the upper 1% in the nation. Motor coordination, memory, clarity of thought, ability to delineate and assess ongoing life situations and planning skills have all been restored. The individual still has short periods where he will hyper-focus, however, he is now able to recognize and redirect his activities.

DISCUSSION: Clear neurological improvement has been demonstrated in both scans and during neuro-feedback sessions. Discovery of several genetic issues have been found and addressed. Also, discovered were on-going issues in the catecholamine pathway in the gut.

CONCLUSION: Integrative approaches may help to maximize recovery and improvement. Further study needs to be done to confirm that results are not individual.

BIO: Lauren Evanow, M.A.

Lauren has a diverse background as a serial entrepreneur and scientist. She has been involved in building companies from the ground up, including those in the industry of medical devices and technology. Her passion to understand the nature of health and healing has led her to become an Energy Healer as a means to understand the human system beyond the normal paradigms of allopathic medicine. One of her current projects is involved with building biofeedback computer programs that model the human being, taking into account body, mind and spirit and the triune nature of reality. Her goal is to help create technologies, programs and collaborations with others that fundamentally describe what it is to be human, ultimately employing these collectively to help humanity evolve.

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TITLE: “Integrative Energy Healing as an intervention in Angioedema”

AUTHOR: Stewart, M.

PURPOSE: To investigate the effects of Integrative Energy Healing on the recovery from Angioedema, rashes and Hives experienced during a healing crisis.

HISTORY OF TRAUMA: The client was a 48 year old white female in generally good health with no history of rashes and angioedema (similar to hives but deeper in the skin). At the time of this study the client had started to recover memories of significant childhood trauma and as a result she experience a Herxheimer Reaction. This is “a short-term (from days to a few weeks) detoxification reaction in the body. As the body detoxifies, it is not uncommon to experience flu-like symptoms including headache, joint and muscle pain, body aches, sore throat, general malaise, sweating, chills, nausea or other symptoms. This is a normal – and even healthy – reaction that indicates that parasites, fungus, viruses, bacteria or other pathogens are being effectively killed off.” (Bioveda website).] Symptoms went from a rash on her arms to full facial swelling with red, burning hives on her face, arms and upper chest.

INTERVENTIONS AND ASSESSMENTS: Client was given a prescription of prednisone to reduce pain and inflammation. Consultations were done with both a naturopath and a dermatologist and standard of care was used to treat the situation using tinctures and supplements but opting out of prescription ointments. Integrative Energy Healing sessions consisted of 1 to 1 1/2 hour sessions once a week for a year. Camera to record physical changes in skin. Client was asked to journal but did not keep a journal with any kind of consistency.

METHODS: Integrative Energy Healing (IEH) is a full spectrum bioenergy technique. IEH techniques function within the concept of the body being a non-linear, dynamic, chemi-electrical system where changes in the oscillatory rate in the waves of the extra low frequency magnetic field of the body allow the release of over-charge in areas where imagery and trauma may be stored in tissue memory. There is additional evidence that IEH is producing relaxation effects within the parasympathetic nervous system. Sessions began with 5 to 10 minutes of general dialogue and then joint areas of the body were briefly touched by the practitioner, while in a meditative state. using breath and shifts of consciousness to promote the oscillatory effect and support relaxation of the client. 46 IEH sessions of 1 to 1.5 hours in duration were done over one year. Most included the following standardized processes: grounding, clearing excess charge, and toning the field.

SUMMARY: While allopathic medicine alone failed to resolve the medical issues for this client, the addition of Integrative Energy Healing was found to be extremely supportive in the resolution of this healing crisis. The sessions helped support the client by allowing her to find the triggers for the medical issues and resolve issues quickly and with less anxiety than under current standard of care alone. It is unclear that the use of the use of allopathic medicine alone would have allowed the client to reach to the source of the illness or have come to such a deep understanding of herself.

RECOMMENDATION: Based on these results a pilot study in the use of Integrative Energy Healing as an adjunct to the treatment of debilitating angioedema and hives is recommended.

BIO: Margaret (Marra) Stewart is a Resonance Modulation and Integrative Energy Healing Practitioner. She has begun her own practice with *Full Spectrum Energies*. She has worked extensively with on-the-job stress and somatic trauma, during her IEH World Service Project with the City of Richmond's Fire & Rescue Department and wishes to pursue energy research in the areas of injury and stress reduction for front line support personnel. Marra also volunteered her services with fellow colleges at the Camp Kerry Bereavement Retreat of 2012 where the work was so overwhelmingly received there are now hopes to make IEH a regular contribution to this yearly healing camp. Her primary interest is to understand biofields and how they interact with psychology, biology, and spirituality, integrating the latest science and ancient teachings to help create avenues for healing.

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TITLE: “Integrative Approach toward Learning Disabilities Caused by Fetal Alcohol Syndrome (FAS)”

AUTHORS: Connor, M., Connor, C., Holbrook, R.

PURPOSE: To support increased focus, literacy, and appropriate contact behaviors in an elementary school child with FAS.

BACKGROUND: Many families travel a difficult road to get support for children with learning disabilities. This is a single case study of child having behavioral, concentration and reading difficulties due to fetal alcohol syndrome.

RESULTS: The team used an integrative approach with Resonance Modulation, SAM's, Hemi-Sync, traditional “Negro Spiritual Music” from the antebellum period, Montessori style classroom, vision training, nutritional support and karate to promote recovery. Evolution of the recovery and discussion of intervention specifics will be discussed in detail.

DISCUSSION: After approximately nine months of work the youngster is able to sit during class and participate. There is improvement in the youngster's ability to read in length of concentration and the ability to transition from one activity to another.

CONCLUSION: While results are specific to this individual, the integrated approach may present a roadmap of possibilities to explore when helping a child to advance.

BIO: Caitlin Connor is the 2011 gold medal winner of ISSSEEM's Rustum Roy Emerging Scientist award for undergraduates. A Resonance Modulation practitioner, she is currently enrolled and in her second year at the Arizona School of Acupuncture and Oriental Medicine.

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TITLE: “Case study in Canine Healing from Injury”**AUTHORS: Walker, CJ**

ABSTRACT: A miniature dachshund with a sudden onset of paraplegia caused by injury resolved with Universal White Time / Phi Vogel Crystal energy healing. The dog, age 4, collapsed and was rushed to the veterinary hospital with 100% loss of mobility in his rear legs and bladder and bowel function. Energy healing was begun 48 hours after onset with recovery of bowel function within 30 minutes, 25% recovery in 2 days, 75% recovery in two weeks and 95% recovery within two months. Discussion will include documentation by the veterinarian and information on techniques and recovery path.

BIO: CJ Walker is trained in multiple energy healing modalities and has been in professional practice for over 30 years in Tucson, AZ. She currently utilizes Universal White Time Healing in combination with Sound Harmonics, Gemstone Layouts and Phi Vogel Crystals. In addition, CJ is the author of "The Comprehensive Guide To Alternative Healing", radio host for "Revelations" and is the president of Goldman, Walker & DiMarco, a national commercial collection agency that works with many Fortune 500 companies both domestically and internationally.

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DEVICES AND APPLIED STUDIES**TITLE: “The Biofield Viewer: Advances in Imaging”****AUTHOR: Dailey, B.**

ABSTRACT: There are limited methods of accurately imaging the biofield of the human body. None of the existing devices have the capacity to image outside of a limited and very specific set of frequencies and most of the current devices artificially color only the electromagnetic spectrum given off by a single body part and artificially wrap it around the body or they use ambient light and artificially color that light. Neither provides a comprehensive and accurate biofield image. The biofield viewer in contrast uses both visible and non-visible ambient light around and created by the body to produce the images. Using images from the Biofield Viewer, a series of case studies will be presented which will illustrate the imaging capacity and compare images with standard clinical diagnosis. Information on the basic imaging processes will be discussed, diagnostic and clinical image examples will be presented. In addition, a series of single case studies will be presented showing baseline, continuing and final images done under similar light conditions and in the same physical space.

BIO: Brian Dailey, MD, FACEP, FACFE, is a graduate of the University of Rochester School of Medicine & Dentistry. He did his training in Surgery at SUNY at Stony Brook, NY. He is board certified in Emergency Medicine, Forensic Medicine, and Forensic Examination. He has been an Assistant Professor in Emergency Medicine, a Clinical Instructor in Surgery, a Clinical Instructor in Complementary and Alternative Medicine, and Laser Safety Officer at the University of Rochester School of Medicine & Dentistry, Rochester, NY until 2003. He has been selected as one of America's Top Physicians by the Consumers Research Council of America, Washington, DC, for 6 years. He is a third degree Reiki Master with extensive experience in energetic and vibrational medicine, including the use of CranialSacral therapy, crystals, and color. He has vast experience in sound therapies, including Hemi-Sync© and Spatial Angle Modulation. He is a member of the Professional Division, and is on the Board of Advisors and Board of Directors Emeritus of The Monroe Institute (TMI) in Virginia. Dr. Dailey, Dr. Harry Oldfield (United Kingdom), and Dr. Thornton Streeter have been collaborating in the imaging of energy fields using initially Polycontrast Interference Photography, then

New Energy Vision, developed by Dr. Oldfield, and recently Biofield Imaging developed by Dr. Thornton Streeter.

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TITLE: “Human Clinical Study of the Efficacy of LifeWave Y-Age Carnosine Patch in Improving Flexibility, Balance, Strength and Endurance in Healthy Humans”

AUTHOR: Tully, L.

BACKGROUND: LifeWave (LW) has pioneered the development of technology that produces photobiomodulation effects in human beings and animals. Several peer-reviewed publications have demonstrated the safety and efficacy of LW products in both animals and humans (for list of studies, see <http://www.lifewave.com/usa-en/science.asp>). The LW Y-Age Carnosine Patch® contains crystals that absorb body heat and generate infrared signals that cause the body to mimic the effects of carnosine in the body. One of the uses of carnosine as a supplement is to improve athletic performance.

RESEARCH: A double-blind crossover placebo-controlled clinical trial on 30 subjects (11 male and 19 female) included the following tests: stretch and reach, balance, maximum push ups in 30 seconds, maximum sit ups in 30 seconds, left and right hand strength, peak and average speed, peak and average watts per kilogram, distance and calories for each of the tests are measured.

RESULTS: LW Y-Age Carnosine Patch® produced a highly significant increase in performance for all outcome measures ($p < 0.001$, except peak watts per kilogram, $p = 0.014$). This increase was seen at both the 1 and 3-week time points, except for balance at week 3 ($p = 0.106$). There was a highly significant ($p < 0.001$) difference between active and placebo at week 1 for every outcome measure except balance ($p < 0.01$). There was a significant increase for the active patch compared to placebo at week 3 (except for balance and push ups, $p = 0.55$ and 0.54 , respectively). The active patch produced highly significant increases ($p < 0.001$) from week one to week three for all outcome measures, except balance and several of the placebo measures showed a negative change from week one to three.

DISCUSSION: The mean increase in balance from baseline for placebo and active from at three weeks was 5.3 and 14.3 seconds, respectively, indicating a larger improvement in performance for active than placebo. Furthermore, there was a carryover effect for the balance test ($p = 0.026$), which could have influenced the results. Similarly, the change for placebo was negative and a large variance for the active push up test could have created a lack of significance between active and placebo.

CONCLUSION: LW Y-Age Carnosine Patch® produces a significant increase in outcome measures of flexibility, balance, strength and endurance in healthy humans when worn for one week and this effect is further enhanced by wearing the patch for three weeks. Since further increases occurred from week 1 to 3 with the active patch, this suggests that wearing the patch for longer times produces larger changes.

BIO: Lisa Tully received her PhD in Pharmacology and Toxicology from the Indiana University School of Medicine and completed a postdoctoral fellowship at the Indianapolis University School of Medicine. Dr. Tully has several publications in peer-reviewed medical journals and has presented her research at international scientific conferences. Dr. Tully is currently on the Scientific Advisory Board of several companies and non-profit organization and performs research consulting to many types of companies. Dr. Tully also identifies innovative health technologies and products for companies, clinics and spas. Dr. Tully is founder of the Energy Medicine Research Institute (EMRI), whose

primary mission is to assess the efficacy of vibrational medicine technologies and therapies. The EMRI specializes in assisting companies to obtain clinical trials to support marketing claims.

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TITLE: Harvesting Energy by and for the Common Man

AUTHORS: Kahn, S., Kahn, K.

PURPOSE: Our aim is to recycle kinetic energy and transform it safely into an inexpensive form of electrical energy. We wanted to make a device which can be used by every common person without harming or disturbing the environment.

MATERIALS: Mortar & Pestle, Waste Bones, Distilled Water, Salt, Metal wires, Discharge battery, Sponge Ball, Knife, Shoe Soles, Metal Pot and Pan, Rubber Gloves Strainer, Natural Sun Light, Gas Burner

METHODS of Harvesting Collagen: Our device uses a piezo electric disk found in old land-line telephones to make an electrical field for collagen gathered from recycled animal bones.

PROCESS: Cleaned bones were boiled. Boiled bones were washed with distilled water, then dried for twenty-four hours in sunlight. Dried bones were pound into powder form. Powdered bones were boiled in salt solution and again dried for twenty-four hours in sunlight. This bone powder was again pounded into a finer form. This is called pure collagen.

To harvest kinetic energy into electric energy, take one sponge ball or shoe sole and carve a space in the heel to fit a transducer/pressure sensor with attached positive/negative wires. Place a piezo electric disc on top. Collagen powder is sprinkled on the disc. A second space is carved in the toe section to contain a discharge battery. The wires are connected from the transducer to the discharge battery. As the person walks, the friction of the foot movement will produce current which charges the battery. The battery can then be used to power lights and appliances.

RESULTS: We believe that energy can be stored in the discharge battery in the toe and used to charge the mobile battery.

DISCUSSION: On a larger scale this concept has great potential and can be applied to the places where mechanical energy is in use and much physical work is done, where mechanical energy is in use. For example, in factories, gyms, and people's homes.

CONCLUSION: In Jaisalmer India, the lights go off nearly every day. Development of a prototype of the device is a logical next step. We are capable of harvesting human energy with less input and greater output and a tool like this would support nature rather than taking from it.

BIO: Sitara Khan and her partner, Kashmira Khan, participated in a scientific effort with three of their classmates at St. Pauls School in Jaisalmer, India (all 16-years-old). The group is a mix of upper and lower castes, Sitara and Kashmira being in the lower caste. Influenced by their experiences living in harsh and under-resourced conditions, the girls have succeeded in having their project pass both the school and state levels of the 2013 National Children's Science Congress. They have brought an honor unprecedented to the Merasi community. Sitara and Kashmira's scholarships to St. Pauls are sponsored by Folk Arts Rajasthan (FAR) located in New York, USA and as a program of Lok Kala Sagar Sansthan (LKSS), a FAR partner located in Jaisalmer of Rajasthan, India.

TITLE: “Physiological Testing of Pluggz™ Shoes” made by LISTEN Brands LLC, dba Pluggz™
AUTHORS: Connor, M., Eckhoff, J.

OBJECTIVE: This was a pilot randomized placebo-controlled single blind study of 20 healthy subjects aged 18 and above, divided into 10 active and 10 control subjects, to assess physiological changes produced by wearing the Pluggz™ sandals. The Pluggz™ sandals have a proprietary carbon and fiber plug placed at the kidney reflex point of the foot, which conducts grounded electrical current from the surface of the earth into the body of the person wearing the sandals.

PROCEDURE: Subjects were consented and then baseline tests were done with a Gas Discharge Visualization device (GDV) and Thought Technology ProCom with BioGraph Infinity and CardioPro’s software physiology suite and heart rate variability (HRV) testing. Subjects were invited to put on the Pluggz™ shoes or matching general style sandals and walk around in them outside on the ground for a period of ten minutes. Then the subjects were tested once again with the GDV and Physiology suite. Participants were recruited by flyer and email. All participants were healthy, with no chronic conditions, and over the age of 18.

RESULTS: *Physiological Measures:* Statistically significant changes from pre- to post-test within the Pluggz™ sandals group were detected. The assessment of heart function - technically called SDNN, blood volume pulse and the Very Low Frequency (VLF) - showed significant changes. Significant effects on cardiac measures indicated onset of a relaxation response associated with the product’s grounding effects.

GDV: The Gas Discharge Visualization (GDV) data showed changes in the head, heart, thyroid, adrenals and lumbar areas, interpreted as early hormonal changes indicative of a relaxation response. The spectral brightness increased significantly at every finger of both hands.

CONCLUSION: Both the HRV and GDV data showed early markers of the onset of the relaxation response as reported previously in the grounding/Earthing literature. The increase in the spectral brightness with every finger of both hands indicates improved energetics of all acupuncture meridians. Statistically, these findings are not easily attributable to chance or placebo. The results are particularly significant because the subjects were tested for only 10 minutes in a dry desert area with relatively poor continuity with the conductive part of the earth’s surface.

RECOMMENDATIONS: This pilot study supports conducting a larger trial with subjects wearing the Pluggz™ products for longer times and in different environments. Additional measures of blood chemistry could confirm the down regulation of stress parameters and the promotion of relaxation and detoxification effects which would be consistent with other studies on grounding or Earthing.

DISCLOSURE: Pluggz™ sandals are contributing to sponsorship of this research seminar through the purchase of an ad in the conference proceeding and donations of sandals to the student award winners.

BIO: See peer review committee.

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Plenary Presentation: The Affordable Care Act and impact on CAM

Professor Sallyanne Payton, JD, William W. Cook Professor of Law Emerita and Professor of Art and Design Emerita of the University of Michigan Law School, Ann Arbor, MI

ABSTRACT: The Affordable Care Act (ACA) represents a breakthrough in American health policy: it creates a federal commitment to enable health coverage, and therefore effective access to medical services, for every American citizen and resident alien. Before the United States Supreme Court restored a state's right to refuse the Medicaid extension, the affordable care act provided this access without fueling differences in access to medical care that resonate with historic discriminatory practices. The expansion of access creates an urgent need to find ways to reduce the cost and improve the efficiency and efficacy of medical services, and to turn to primary and chronic care as methods of interrupting the progression of illness. It seeks to improve acuity and reduce the consequent need for acute care. The challenge of making these turns is that many of the treatment modalities that are regarded as effective in primary and chronic care, and sometimes acute care as well, are in the category of Alternative and Complementary Medicine, or Integrative Medicine. These disciplines have not developed the type of standardized policy and procedural control structures of which are found in standard medicine and that have historically governed conventional medicine.

Contrary to scare stories about a "federal takeover" of medicine, the federal government has never attempted to manage general medical services through direct administration. The American system of enabling the provision of health services to the public has always been conducted as a complex set of public-private partnerships. The professions take responsibility for training practitioners, developing standards of care, and furnishing expert advice on policies relevant to the professional domain. Governments provide supportive regulation, funding for research, and third-party payment systems that create markets for professional services. These partnerships result in the creation of disciplinary networks that manage medical knowledge, select and credential practitioners, and interface with other institutions concerned with health and medical matters. The purpose and effect is to create an intellectual and institutional structure that gives reasonable assurance that the knowledge commanded by the profession is valid and that individual practitioners have mastered that knowledge and are competent to deploy it in clinical practice. The ACA assumes tacitly that this pattern of public-private partnership will continue and expand to meet the new needs created by the move to universal coverage.

As the policy shifts toward promoting health and wellness, however, the question is how to bring into a public-private partnership structure additional professional disciplines that have not developed elaborate disciplinary networks and also are not based on materialist science or a particular professional knowledge base but may rely explicitly on a practitioner's intuition. Devising methods of assurance and credentialing to meet the new demands that accompany the new opportunities for these types of practitioners is the work of the professions themselves. The Affordable Care Act has opened the door and issues the invitation. What will it take for the CAM community to position itself to create its half of the partnership?

BIO: Professor Payton came to Michigan in 1976 from Washington, D.C., where she was chief counsel for the Urban Mass Transportation Administration of the USDOT, earlier having been staff assistant to the President on the Domestic Council staff. In the private practice of law she was associated with Covington & Burling. She teaches Administrative Law, and has served as a public member and senior fellow of the Administrative Conference of the United States and as chair of the Administrative Law Section of the Association of American Law Schools. Her industry specialty is health law; she has been active in the effort to reform federal health care financing and regulation. She is a fellow of the National Academy of Public Administration and a member of the National Academy of Social Insurance. Prof. Payton holds both BA and LLB degrees from Stanford University.

Methodology, Clinical and Technique Studies

TITLE: Methodological Challenges in Lab studies of External Qi or Bioenergy Therapy
AUTHOR: Chen, K. W.

ABSTRACT:

Scientists are very much interested in understanding what external Qi (bio-energy) is and how Qi can be used or emitted for healing. This interest has generated a flowering of studies on measuring External Qi (EQ) and bioenergy. However, a careful examination of the published studies shows that few are studies of Qi per se (as most studies measured the correlates of Qi) and few study results can be replicated in different labs. Given the different backgrounds of researchers involved and the inconsistency in defining bioenergy, this presentation summarized the major methodological issues in designing a lab study for measuring bioenergy, in an attempt to help researchers to adapt better design strategies and achieve more reliable outcomes. The key issues discussed include: a) finding a capable bioenergy healer (qigong master) since not all “masters” can perform well in a lab; b) knowing what is intended to be measured and what can actually be measured with existing equipment; clarifying concepts versus operational considerations; c) dealing with healer’s intention (Yi) during lab study (intention is part of bioenergy); d) dealing with the “experimenter effect” through blinding and other clinical trial techniques; e) Non-repeatable results may not mean unreliable - because there is frequently diminished effect in repeated studies. With first-hand experience and data for each issue, this is a call for new methodology and new paradigms in the study of mind-body medicine and bioenergy.

BIO: Kevin Chen, PhD, MPH, is an associate professor in the Center for Integrative Medicine and Department of Psychiatry at the University of Maryland School of Medicine. Dr. Chen is a NIH-funded investigator conducting survey research on adolescent substance abuse, and conducting clinical studies investigating the clinical feasibility and efficacy of Chinese energy therapy for treating osteoarthritis and addiction. With intensive training in research methodology and statistics, Dr. Chen has had extensive experience in designing and implementing various research projects, including clinical trials, and has long been interested in the scientific study of qigong and its medical applications. As long-time practitioner of qigong, Dr. Chen has observed many unexplained successes in qigong healing, and is willing to subject this ancient therapy to serious scientific examination.

His major research interests include research methodology, epidemiology of substance abuse, and health applications of energy therapy and mind-body integrative medicine. Dr. Chen is among the few scientists who have both first-hand knowledge of qigong practice and active involvement in scientific research of Qigong in the U.S. His research includes both verification of qi energy through laboratory detectors, and medical application of qigong therapy in clinical settings. He has been involved in clinical trials to examine the feasibility and efficacy of adding qigong therapy in treating heroin and cocaine addiction, as well as osteoarthritis, fibromyalgia, cancer and chronic pain. He is currently working on NIH- and foundation-funded research projects on the application of bio-energy therapy and self-help methods in the treatment of addiction, arthritis, cancer and other health problems.

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TITLE: Exploratory study of low-frequency magnetic field activity during Healing Touch, guided progressive relaxation (GPR) and mock Healing Touch”
AUTHOR: Moga, M.

ABSTRACT: Previous studies have reported magnetic field (MF) changes during energy healing. In the present study, low-frequency (0 - 40 Hz) MF activity was measured continuously with Hall-type magnetometers adjacent to healer-client pairs during Healing Touch (HT), an energy healing therapy.

MF activity observed during each HT session was compared with pre-session and post-session MF activity, and with MF activity during guided progressive relaxation (GPR) sessions without a healer and during mock HT sessions without a client. Qualitative analysis was used to identify potential relationships between MF activity, client symptoms, and healer descriptions of the client's biofield. MF oscillations were observed during 24 of 26 HT sessions, 14 of 16 GPR sessions, and 4 of 15 mock HT sessions. The mean maximum amplitude of the MF oscillations (B_{peak-to-peak}) was significantly greater during the HT session and post-session periods, as compared to the HT pre-session period. Mean maximum B_{peak-to-peak} showed no change across the GPR or mock HT time periods. High-amplitude MF oscillations > 1.0 milliGauss during HT were associated with healer/client qualitative reports of emotional release and clearing of the biofield. MF oscillations in the GPR sessions were typically low-amplitude, with 55% of oscillations occurring in the first 20 minutes of the session. Based on comments from the participants, the MF oscillations during the first 20 minutes may represent physical releases, as this part of the guided meditation focused on releasing tension in different muscle groups. Low-amplitude MF oscillations in the HT sessions showed some association with physical releases and pain reduction. MF activity was extremely quiet during the mock HT sessions, particularly in cases where the HT practitioner reported being "heart-centered". The results suggest that low-frequency MF activity may reflect emotions and biofield qualities of the participants. An energetic theory of human physiology is proposed, with energy charge buildup due to eating, emotions, and other stimuli, followed by periodic energy discharge/release necessary for health.

BIO: Margaret M. Moga, PhD, HTI-P, is an Associate Professor of Anatomy & Cell Biology at Indiana University School of Medicine – Terre Haute. As a neuroanatomist, Dr. Moga has published over 30 refereed articles on the autonomic nervous and circadian timing systems. With a lifelong interest in "edge science", her current research is focused on energy healing and consciousness, and developing scientific measures of energy healing. She is a member of the Society for Scientific Exploration, Society for Neuroscience, Parapsychological Association, and the editorial board of the Journal of Nonlocality.

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TITLE: Is there a target inside the body for energy therapies? The discovery of the Bioelectric Circulatory System

AUTHOR: Wang, Y.

ABSTRACT: The working targets of all medical technology are the first priority issue for effectiveness. This is how medical technologies are designed and accepted. However, energy therapies are not fully accepted in medical society mainly due to the lack of target. Is there a target inside our body and what is the working target for energy therapies? The discovery of a bioelectricity circulatory system (BECS) now promises the scientific rational explanation for energy therapies and also the fundamentals for new energy therapies.

It is found out that our body substances are classified into two categories. One category is what we know in the physical world of structures (anatomy), which is visible, tangible and measurable. The other is the bioelectricity circulatory system (BECS), which is invisible and intangible. Therefore, all visible and tangible diseases are related to changes in structures while symptoms and functional diseases (invisible and intangible diseases) are related to changes in BECS.

Therefore, body structures are the targets for those visible and tangible technologies, namely biological technologies, while BECS are the targets for those invisible and intangible technologies, namely energy therapies. A new bioelectricity resonance technology (BERT, also termed BRT, BeT or BT) targeting BECS showed greater effectiveness in a wide spectrum of diseases and symptoms

ranging from epilepsy, paralysis, edema and cervical vertebral complaints to depression, insomnia, pain, and cold extremities.

BIO: Yuling WANG, PhD received her Ph.D. from University of London and is now the acting President of Beijing Shecon Natural Hospital and a Board Member of the Channel Branch Committee of Chinese Association of Acupuncture-Moxibustion. She firmly believes in TCM. After her research on channel bioelectricity, Dr. Wang established the “bioelectricity medicine” theory. Her book *Bioelectricity Medicine and Chinese Medicine* was published in 2008. Based on her theory, she invented the bioelectricity resonance system (BERT). With government approval in 2009 Dr. Wang set-up the School of Bioelectricity Medical Technology. In 2010 she developed the Rural Health Care Project Pilot and the project for brain paralysis, epilepsy and autism. In 2011, BERT was approved by China State Administration of Traditional Chinese Medicine, endorsing its effectiveness in pain, inflammation diseases, nervous system diseases, and diseases of the muscular system etc. In 2012, Beijing Shecon Natural Hospital was built with the primary focus toward using BERT. More than 70 training classes have been offered in China.

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TITLE: The Effect of the 21-day Q Process™ Intervention on levels of Self-Compassion and Anxiety in Adults

AUTHOR: Bonario, R.

ABSTRACT: Modern life places adults under high levels of daily stress, often triggering sub-optimal conditioned responses (habits and patterns of thoughts and behaviors). In addition, high levels of stress have been shown to impair the higher-thinking capacity of the neo-cortex, making well-considered, mindful decisions difficult. Consequently, the ability to cultivate self-compassion and reduced levels of anxiety while examining and transforming the conditioned self is paramount. This study examined and compared, against a control group, the effects of the 21-day Q Process™ intervention on levels of self-compassion and anxiety during a period of focused self-examination. The 21-day intervention had three components: 1) a 6-hour introductory workshop, 2) a self-guided 21-day practice of completing one work-sheet exercise per day, and 3) three group coaching sessions – held on days 5, 12 and 17. The intervention was intended to facilitate greater resilience as demonstrated by increased self-compassion before, during, and after emotionally triggering moments, as well as a reduction in overall anxiety. A randomized experimental design was utilized with a co-gender group of volunteers: male (n = 22), female (n = 76) between the ages of 21 and 70, randomly assigned to an intervention group (n = 44) and a control group (n = 54). The study design included controlling for the variable of years of spiritual study so that both groups had balanced levels of experience from 0 – 30 years. All participants were given a pre and post-test on two measures: The State-Trait Anxiety Inventory (STAI) and the Self-Compassion Scale (SCS) two days prior to and two days after the intervention. There was a statistically significant difference (p< .001) in the decrease in both state and trait anxiety and an increase of self-compassion of the intervention group as compared to the control group, with a CI of 95%. The results justify larger studies. Suggestions for future studies are included.

BIO: Rima E. Bonario, MA, is a dynamic spiritual leader, author and speaker who is passionate about accelerating personal, professional and planetary transformation. She is the co-author of *The Art & Practice of Living with Nothing and No One Against You*, a powerful workshop and workbook featuring the 21-day transformative practice called *The Q Process™*. Rima is also co-author of “Who Have You Come Here to Be?” and “101 Possibilities for Contemplation.” Rima’s ability to mix inspired storytelling with spiritual teachings, transformational psychology, quantum physics and brain science makes her a powerful speaker and workshop presenter. She is an expert small group facilitator, serving as a certified guide in the Gateway to Conscious Evolution program, and a certified coach for the Spiritual Intelligence Assessment and Holocracy. Rima holds Master’s degree in Strategic

Communications and Leadership from Seton Hall University and is doctoral student at Holos University Graduate Seminary studying transformational psychology. She has served as the Executive Director for Unity Church of Christianity in Houston and as a consultant for Unity Institute and Unity Worldwide Ministries.

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TITLE: Empirical Demonstration Test Suite for Energy Practitioner Competence

AUTHOR: Connor, M.

PURPOSE: To develop a standard, low cost empirical test that can be done to assess energy practitioner competence.

MATERIALS AND METHODS: A group of 200 subjects were tested to develop an empirical test suite using: Tri axial ELF magnetic field meter, data logging multi meter (AC and DC), RF field strength meters, broadcast frequency counters, changing the pH of water, changing the alkalinity of water, on demand changes to temperature of hands, pulse, respiration, and muscle relaxation. Additional testing includes a self-healing and a healing on another person as measured as a change in gas emission from a Gas Discharge Visualization device. Two variations of the test exist and will be presented.

RESULTS: Clear differences in practitioner competence were discernable. Difference in hand dominance, connection to body mechanics, ability to produce physiological change on self and other on demand and to make appropriate contact were all discernable.

CONCLUSION: This test suite holds the potential to determine competence of energy practitioners for some styles of energy healing.

BIO: See peer review committee.

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TITLE: Alpha power increases during energy healing. EEG studies of healers, mystics and shamans

AUTHOR: Acosta-Urquidi, J.

OBJECTIVE: This study addressed two questions: 1. What is the healer's state of consciousness (ie. the EEG brain state) during the act of healing? 2. Does the client that is receiving the healing treatment also exhibit a shift in brain state, and does the EEG share common features with the healer's? The efficacy or the outcomes of the healings were not investigated.

MATERIALS/METHODS: This comparative QEEG (quantitative electro-encephalography) study examined and 3 groups who volunteered to be tested: 1. A sample of bioenergy healer practitioners (N=20) from diverse traditions, including Reiki, Pranic, Johrei, Faith Healing, Shamanic, Spiritual, and Quantum Touch (healing state, HS group). 2. Clients who volunteered to receive a healing session ("receiving healing, RH group, N=11), were also tested, and 3. A control group of non-healers ("sham healing", ShaH group, N=9) was also similarly examined. QEEG data (19 channels, 0.1-40 Hz bandwidth) was recorded from the 3 groups during a baseline (control) condition and during HS in the healers group, during RH condition for the client group and similarly for the ShaH group. A statistical within group comparison (paired correlated t-tests, P values) between the QEEG absolute power values before (baseline) and during HS, RH and ShaH was achieved. FFT spectral analysis,

topographic brain maps, numerical tables and a summary group comparison bar graph plot reveal the findings.

RESULTS: During the healing state (HS), the healers and clients brainwaves exhibited some changes across all frequency bands: Delta (0.3-4 Hz), Theta (4-8 Hz), Alpha (8-12Hz) and Beta (13-40 Hz). However, only the most consistent, reproducible and statistically significant result is reported here, viz. a robust increase in global Absolute Alpha power. For group 1 (HS), the increased Alpha power was (mean % increase +- SEM): 98.05 +- 15.10, N=20, P<.0032. For group 2 (RH), the increased Alpha power was also highly significant: 112.5 +- 21.9; N=11, P<0.0002). 3. For group 3 (ShaH, N=9), there was no statistically significant change in Alpha power.

CONCLUSION: This scientific comparative study provides objective data demonstrating that Energy Healers (Bioenergy Healers) from diverse traditions can shift their EEG to produce more Alpha power when engaged in the act of healing (local and distant). Moreover, clients receiving the healing also produced robust increased Alpha power. The unexpected finding that different healing traditions all share a common denominator, viz. increased Alpha power during HS, and that the Alpha power increase is also measured in the clients during RH is discussed.

BIO: Juan Acosta-Urquidi, PhD, QEEGT. After more than 20 years of basic research in cellular neurophysiology with invertebrate nervous systems, studying mechanisms of synaptic plasticity, biophysical mechanisms involved in learning and memory focusing on internal cellular messengers modulation of ion channels. In 1996, Dr. Acosta entered the field of QEEG (quantitative electroencephalography), initially testing photic and auditory driving responses to mind machines. He then joins an NIH-funded preclinical trial project in alternative medicine at the UWMC, Seattle to study pulsed magnetotherapy treatment on neurologic patients suffering MS. While still there, a chance discovery leads him to pursue research with energy healers, at a time when he was initiated as a Reiki Master. Using an electrocrystal detector device, he recorded electromagnetic signals emanating from energy healers during the state of "sending" energy. Since 1997, he has done pioneering research with bioenergetic healers, mapping brainwaves (QEEG) and heartwaves (HRV analysis) during energy healing sessions and during altered states of consciousness (ASC), charting new ground in the research interface of Science, Healing and Spirituality. Dr. Acosta-Urquidi, Ph.D, Cellular Neurophysiology, 1980, University of Toronto; A.B. Biophysics, 1971, University of California, Berkeley; MSc. Neurobiology, 1974, McGill University, Montreal, CAN. Member International Society for the Study of Subtle Energy and Energy Medicine (ISSSEEM), 1996- present; Biofeedback Society of Washington, 2002; Association of Applied Psychophysiology and Biofeedback (AAPB), 2002, 2006-08, 09; International Society for Neurofeedback and Research (ISNR), 2005-present. Dr. Acosta has worked in the clinic with a variety of clients, including: ADD/ADHD children, adolescents and adults, closed-head injury patients, depression and anxiety disorders, CFS, chronic fatigue syndrome and autism spectrum disorders. He has also worked extensively with relaxation and stress management techniques.

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TITLE: Self Healing from Occidental and Oriental Treatment for a Fractured and Compressed Spinal Injury and Post Traumatic Shock

AUTHORS: Shinnick, P., Porter, L., Mandigo, C.

ABSTRACT: The purpose of this study is to provide a non-drug, non-surgical, Oriental and Occidental approach to rehabilitation for a serious spinal injury. Research shows a steel rod, surgically inserted in the spine. Treatment with opiates and then opiate addiction therapy did not do better than a non-surgical approach. Yet a non-drug non-surgical approach has not clearly been understood or

practiced. Besides stainless steel acupuncture needles used as emergency pain relief the only material used was the mind, breath, body movement and posture positions. The method was based upon Qigong, Zazen, physical therapy, Gung Fu, Native American animal healing techniques, and a scientific understanding of Post Traumatic Shock (PTS) Syndrome and reactivity. The presence of cardiac arrhythmia, visceral dysfunction, concussion, other herniated disks, dislocated ribs, whiplash, cervical and lumbar spine pain symptoms, associated with a multiplicity of symptoms that changed constantly required innovative changes to treatment on a daily basis. A quick recovery in three months was followed by constant regression triggered by PTS reactions, posture, weather, noise in environment, travel and stress. Detailed notes and an understanding of Oriental and Occidental treatment provided a capability for recovery. These technique are discussed for rehabilitation for episodes of kyphotic spinal regression but the effects of Post Traumatic Shock of anxiety, apprehension, fear and agitation became the most difficult to treat and this paper provides a deeper understanding of reactivity to shock and its emotional counterpoint and self help approaches.

BIO: Former Assistant Professor of Rutgers University and New York Medical College, Director of the Research Institute of Global Physiology, Behavior and Treatment, Inc, Ph.D. UC Berkeley, MPA U of Washington Public Policy, Licensed Acupuncturist, Associate Editor, the Journal of the Science of Healing Outcome, Former Senior Research Scientist Rusk Institute, Heart Disease Research Institute and Secretary and Trustee of the International College of Acupuncture and Electro-therapeutics. Consultant to the UN ECOSOC and US Olympic Team in Track and Field.

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TITLE: Super Learning with Meta-music and Hemi-sync

AUTHOR: Bullard, B

ABSTRACT: Of the 800,000 military veterans attending college more than 88% of them drop out of college because they cannot seem to translate their knowledge from the military to the classroom. Studies indicate that only about 3% of those who attend ever graduate. The presentation will be a summary of the results of a Super Learning course incorporating specific hemi-sync and meta-music selection designed to aid Veterans returning to college. Most of the attendees improved their overall grades by at least one full grade in 6 weeks.

BIO: Professor Barbara Bullard has been nominated five times for Teacher of the Year. At Orange Coast College for 48 years she has been selected for Who's Who among America's teachers in 2002-2007. Co-author of "Communicating from the Inside Out" and "Pathways to Enhanced Learning" she is also the author of numerous articles on the role of music and Metamusic. Professor Bullard is also a professional member of The Monroe Institute.

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Theory Presentations

TITLE: The Brain, Healing and the Soul: A Theory of the Impact of the Negro Spiritual on the Healing of Trauma

AUTHORS: Connor, M., Payton, S., Caldwell, H.

ABSTRACT: We have reverse engineered the "Negro Spiritual," a group of about 6000 musical works, from a perspective based in historical reports and modern day observation combined with the most current neurological understanding of today, to present a theory of the healing described in the historical literature which provides a template toward the support of music healing the brain. The

stage is set for improved neuroplasticity with participation of the motor, visual, auditory and somatosensory cortex, the frontal-parietal religious circuit including the dorsolateral prefrontal, dorsomedial frontal and medial parietal cortex, the fronto-temporal network including the ventral and dorsal streams with multimodal and stepwise integration of brain response,. This includes growth in executive function, language, timing and working memory. When we then combine category-specific activation with call and response, with pseudo-binaural beat processes with the resultant triggering and down regulation of the Norepinephrine-Serotonin cycle we add increased ability to evaluate situations of cognitive dissonance and abstract congruence.

BIO: See peer review committee

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TITLE: Aspects of the Symbol-Meaning Link, Means and Meaning

AUTHOR: McCurdy, G.

PURPOSE: To report progress of a two part exploratory hypothesis for the observed symbol-meaning link supportable by extension of western science and traditional sources that lend context to human life experience.

METHOD: Operations analysis with visualization to produce an intuitive Kuhnian construct by modifying basic assumptions of western science to fit both experiential and experimental evidence.

DISCUSSION: To construct this model of human behavior, imagine a Venn diagram of five circles each representing a coherent family of phenomena interlinked in a horizontal row labeled left to right: Physiological Action, Electromagnetism, Magnetoelctrism, Torsion and Inherent Ubiquitous Consciousness. Respectively below each are paradigmatic labels: Newtonian, Asymmetric Maxwellian, Reich-Kozyrevian and Inherent Ubiquitous Consciousness, Their intersections represent symbiotically coupled interaction of pertinent phenomena that support a range of cybernetic processes: bioconstruction, biomaintenance, homeostasis and human consciousness at its various levels, especially awareness. The totality forms a coherence-of-coherences that the human organism, perfused by the quantum plenum, yields total interactive phenomenal connectivity. Part I uses information theory to address the leftmost four Venn circles. Some significant discoveries were:

- Using Yarrow's perception of the magnetic monopole as toroidal to develop a concept that addresses both proton exclusion zones and scale dependent access to time vortices that are necessary for biological cybernesis and to support human ability to remember the past and plan for the future.
- Modification of Planck's perception of the quantum to address Popp's observation of sparse field biophotonic behavior yields a recognition of a single electromagnetic cycle as the informative bit structured 'Yarrow style', unitary in energy yet increasing in power as frequency increases.
- Earlier analyses of mitosis are upgraded with more recent observations of the centrosome's internal mitotic centriole cycle to include a 'jump-visitation' by the senior centriole of the mother cell during final telophase to the precise spot to provide the 'final kick' of positive charge to separate mother and daughter cells; it then rejoins its daughter centriole and resumes mature centrosome configuration. Unexplainable in current context.
- CRORACELLS — organelles, cells, organs and organisms — are energetic sources of plenal cybernetic organization as well as sinks of entropic disorganization. Gibbs free energy for biology, $\Delta G_{\text{bio}} = \Delta E + T(\Delta O - \Delta S)$ is an explicit organizational indicator that follows a characteristic path over a lifetime and during illness. The presence of biological semiconductors noted by Robert Becker infers an organizational function for such sub-organelles as ion pumps and gap junctions.

Part II will explore the existence of EXISTENTIAL as a common 'qualial' (measure of) language of need satisfaction by departing from Maslow's hierarchy. All human languages are thus but vernaculars of EXISTENTIAL.

BIO: Garvin McCurdy, M.S. Business, George Washington U.; B.S. Aero Engineering, M.I.T., lives in Maine with his wife of 58 years, "A.M." Active in ISSSEEM since '97, he brings an engineering and operational analysis outlook to the study of subtle energies in a theory of life and consciousness called 'the Transductive Chain Approach', balanced practically by 12 years in-hospital Reiki service, including presenting CME sessions on subtle energies to the staff. He earlier made a varied career in the U.S. Air Force, most pertinently in the fields of communication and sensor systems, and assessment of emerging technologies. He has since been an engineering consultant, small business owner-operator, and published author of poetry, papers and an article for ISSSEEM, and 'A Warrior's Peace Prayer Handbook'.

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Dr. Connor has been a healer in professional practice since 1987. A born clairvoyant, her initial training in the energies came from within her family. Beginning her career in the computer industry as an engineer, she changed careers in the 1990's. Dr. Connor has trained as a clinical psychologist, neuropsychologist, drama therapist, massage therapist and in over twenty different styles of energy healing and she is ordained as a Buddhist Priest. As a National Institutes of Health T-32 post doctoral fellow, Dr. Connor received her training as a research scientist at the University of Arizona under Dr. Andrew Weil and Dr. Iris Bell. An Adjunct Professor in Complementary Medicine Studies, Akamai University in Hilo Hawaii, Dr. Connor is also the CEO of the National Foundation for Energy Healing and the science advisor for the Spirituals for the 21st Century project at California State University Dominguez Hills. Dr. Connor has a private healing practice in Arizona and is the author of seven books.

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Dr. Chen is an associate professor in the Center for Integrative Medicine and Department of Psychiatry at the University of Maryland School of Medicine. Dr. Chen is a NIH-funded investigator conducting survey research on adolescent substance abuse, and conducting clinical studies investigating the clinical feasibility and efficacy of Chinese energy therapy for treating osteoarthritis

and addiction. With intensive training in research methodology and statistics, Dr. Chen has had extensive experience in designing and implementing various research projects, including clinical trials, and has long been interested in the scientific study of qigong and its medical applications. As long-time practitioner of qigong, Dr. Chen has observed many unexplained successes in qigong healing, and is willing to subject this ancient therapy to serious scientific examination.

His major research interests include research methodology, epidemiology of substance abuse, and health applications of energy therapy and mind-body integrative medicine. Dr. Chen is among the few scientists who have both first-hand knowledge of qigong practice and active involvement in scientific research of Qigong in the U.S. His research includes both verification of qi energy through laboratory detectors, and medical application of qigong therapy in clinical settings. He has been involved in clinical trials to examine the feasibility and efficacy of adding qigong therapy in treating heroin and cocaine addiction, as well as osteoarthritis, fibromyalgia, cancer and chronic pain. He is currently working on NIH- and foundation-funded research projects on the application of bio-energy therapy and self-help methods in the treatment of addiction, arthritis, cancer and other health problems.

Lauren Palmateer, PhD

Electrical Engineering

Technology and Strategic Consultant in Specialized Fields of Displays, Intellectual Property and High Tech Manufacturing

Lauren Palmateer, PhD, is working to bridge modern electronics with Vibrational Radiesthesia. She received her PhD in Electrical Engineering from Cornell University in 1989. She has worked at many corporations in the US and abroad including IBM and Bell Labs Research and numerous start-up companies in electronics. She worked in the field of Electronic Display technologies as in the LCD since 1990. She holds patents in displays and has experience in mainstream electronic technologies and intellectual property. Lauren lives in San Francisco and is working on collaborations with display and electronic companies to utilize novel measurement techniques focused on the vibrational properties of biofields, subtle energies and electromagnetic fields and the interaction with the human body. Her interests are to apply subtle energy techniques of measurement to the industrial world of display technologies and electronics.

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Maggie has been involved in holistic care since 1974. Her initial diploma was received from St Mary's School of Nursing in Huntington, WV. She received her BSN from Eastern Carolina University in 1981. In 1990, she graduated from the master's program in nursing at The Ohio State University in Columbus, OH where she specialized in women's health and holistic healing. She was honored by Sigma Theta Tau as the most outstanding graduate student in nursing for her research in women's healing.

Maggie specialized in critical care areas and was an ER nurse clinician for 7 years. In 1982, she opened a cardiac step-down unit in Charleston, WV and was then promoted to Director of Staff Development where she coordinated education for staff, patients and community for 7 years and began her lecture series on Holistic Health in 1982 and has continued teaching to the present time. She helped to create the first hospice in West Virginia in the 1980's and from 2005 until 2011, Maggie continued her work in hospice with HomeReach Hospice in Columbus, Ohio to help individuals and their families transition peacefully into the next step of their journey.

From 1990-1995, Maggie served on a visionary team at Ohio Health Corporation in Columbus, creating models for integrating holistic approaches into education, corporations, churches and communities. In 1995, Maggie received the award as National Holistic Nurse of the Year for her diverse contributions to the field of Holistic Nursing. She was the interim executive director of the American Holistic Nurses' Association in 1997, returning to Charleston, WV in 1998 to help create and direct the Center for Alternative Healing which was sponsored by the Charleston Area Medical Center until 2001. Now located in Dublin, OH, she is a national consultant, working in partnership with individuals, physicians and healthcare practitioners to create new protocols for the care of disease and the promotion of health in a variety of settings.

Margaret Stewart, CIEHP, HHP

Full Spectrum Energies, Vancouver, BC Canada

Margaret (Marra) Stewart is a Resonance Modulation and Integrative Energy Healing Practitioner. She has begun her own practice with *Full Spectrum Energies*. She has worked extensively with on-the-job stress and somatic trauma, during her IEH World Service Project with the City of Richmond's Fire & Rescue Department and wishes to pursue energy research in the areas of injury and stress reduction for front line support personnel. Marra also volunteered her services with fellow colleges at the Camp Kerry Bereavement Retreat of 2012 where the work was so overwhelmingly received there are now hopes to make IEH a regular contribution to this yearly healing camp. Her primary interest is to understand biofields and how they interact with psychology, biology, and spirituality, integrating the latest science and ancient teachings to help create avenues for healing.

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