

1        Albert    Abrams        BIOG2: According to Dr. Karl Maret, Abrams might be called the father of radionics. 3500 practitioners were using his machines, such as the reflexophone and oscilloclast, at the height of his popularity in 1923. In 1916 he published *New Concepts in Diagnosis and Treatment*, which described his Electronic Reactions of Abrams (ERA), which might be considered the beginning of subtle energy diagnostics. Although the medical establishment tried to discredit his methods, no formal investigation was ever conducted by the AMA, and he was never arrested for his practices. After his death, further development was carried out by George de la Warr in the UK, and Dr. Ruth Drown. <http://isseeem.org/onlinedocs/Maret-Karl-EnergyMedicineinAmerica-July-09.doc.pdf>

2        George        Adamski        Polish American citizen who became widely known in ufology circles, and to some degree in popular culture, after he claimed to have met and befriended people from Venus. Coauthor of the book "Space Ships Have Landed".

3        W. Ross        Adey        BIOG2: Formerly of the Brain Research Center at the University of Southern California, then at the Loma Linda University Medical School, California, worked on the CIA's infamous Pandora project. His research involved inducing of specific behaviour modifications by electromagnetic means, as well as inducing calcium efflux events to interfere with brain function-the so-called "confusion weaponry". Later Adey had been warning against the biological hazards of EM emissions from mobile phones. Adey's research at the Brain Research Center has shown the existence of a biological reaction to EM radiation. This reaction was found to be dependent on the frequency, amplitude and dose of the microwave radiation used. PHENO: The science panel for the military special access program Sunstreak (Grillflame) included 3 of the nation's top physicists, including W. Ross Adey, chief of Staff of the research division at Veteran's Hospital in Loma Linda, CA. INFINMND: said that EM may cause static in electrical broadcasts from one cell to another.

4        Buzz        Aldrin        Apollo 11 astronaut who walked on moon in 1969. MMEN: In their book *The Roswell Incident*, Moore and Berlitz list a number of astronaut UFO incidents allegedly covered up by the space agency. "Most spectacular is their claim that the landing site of the historic Apollo 11 mission had to be relocated at the last minute because the initial location was 'crawling' with other 'spacecraft'. The book included an alleged transcript of a terrified exchange between pilot Buzz Aldrin and Mission Control, an inclusion that led to Aldrin bringing a lawsuit against the two authors."

5        John B. Alexander        High profile retired Army Colonel. consciousness researcher who believes that too frequently today, scientific results are driven by factors such as who benefits, and political correctness. Author of Several books including "Reality Denied" and "UFOs: Myth, Conspiracy, and Reality". He has stated that the US government has no secret programs investigating UFOs. This was proven incorrect, according to an article in the New York Times: "Glowing Auras and 'Black Money': The Pentagon's Mysterious U.F.O. Program" dated 12/16/2017

6        Eben        Alexander        US neurosurgeon and the author of the book "Proof of Heaven: A Neurosurgeon's Journey into the Afterlife"

7        Maurice        Allais        BIOG2: [1911- ] Born in Paris, he received baccalaureate diplomas in Mathematics and Philosophy in 1929. He then entered the two year Ecole Polytechnique program and graduated first in his class in 1933. He was interested in theory and experiments pertaining to a unified theory of gravitation, electromagnetism, and quanta. He reexamined the results of Michelson – Morley and Dayton Miller and found that these results corresponded to anomalies he had found in the movement of the "paraconical pendulum" and "optical sightings". He concludes that the velocity of the light does not have a constant value but varies according to direction, which shows the existence of

an "aether " and the anisotropy of space. He further concludes that Einstein's Theory of Relativity is invalid. From 1961 to 1968 he wrote "Essor et déclin des civilisations-Facteurs économiques" (Rise and Fall of Civilizations - Economic Factors). He was awarded the Nobel Prize for Economic Science in 1988. XXXXXXXXXXXXXXXXXXXXXXXXXXXX

8 Richard Alpert BIOG2: AKA Baba Ram Dass. [1931-] Earned a PhD in psychology at Stanford. He then served on the psychology faculties at Stanford and the University of California, and from 1958 to 1963 taught and researched in the Department of Social Relations and the Graduate School of Education at Harvard University. In 1961, while at Harvard, his explorations of human consciousness led him, in collaboration with Timothy Leary, Ralph Metzner, Aldous Huxley, Allen Ginsberg, and others, to pursue intensive research with psilocybin, LSD-25, and other psychedelic chemicals. Out of this research came two books: The Psychedelic Experience (co-authored by Leary and Metzner, and based on The Tibetan Book of the Dead, published by University Books); and LSD (with Sidney Cohen and Lawrence Schiller, published by New American Library). Because of the controversial nature of this research, Ram Dass was dismissed from Harvard in 1963. Alpert continued his research under the auspices of a private foundation until 1967, when he traveled to India. In India, he met his guru, or spiritual teacher, Neem Karoli Baba, affectionately known as Maharaji, who gave Ram Dass his name, which means "servant of God." Since 1968, Ram Dass has pursued a variety of spiritual methods and practices from various ancient wisdom traditions, including devotional yoga focused on the Hindu spiritual figure Hanuman; meditation in the Theravadin, Mahayana Tibetan and Zen Buddhist schools; karma yoga; and Sufi and Jewish studies. He also practices service to others as a spiritual path.  
<http://www.ramdasstapes.org/biography.htm>

9 Andre-Marie Ampere BIOG2: [1775-1836] Self taught, he mastered mathematics at the age of 12. In 1820, he seized on Orsted's discovery of the connection between electricity and magnetism, and developed a detailed mathematical theory of electricity and magnetism. Ampere also invented the ammeter for measuring electric current. [Routes of Science: Electricity: Blackbirch Press: 2004. p. 16.]

10 Phillip Anderson DECODE: A high degree of information sharing often leads to fundamentally different behavior. Anderson coined the term "more is different" to describe emergent properties of non-linear dynamics.

11 Colin Andrews BIOG2: British electrical engineer who has been investigating the crop circle phenomena since 1983. <http://www.colinandrews.net/>

12 Neil Armstrong Astronaut . UHOS2DAY: Communicated with Leonard Stringfield and J Allen Hynek regarding UFOs.

13 Kenneth Arnold Started the modern UFO era with sighting of 7 objects over Mt Rainier in 1947. TSN: according to his daughter Kim Arnold, he later came to believe UFOs were organic living beings.

14 Kim Arnold TSN: Kenneth Arnold's daughter TSN: Fnote 106: "see Kim Arnold interview in Paola Leopizzi Harris "UFOs : How Does One Speak to a Ball of Light?" Anomalist Books, 2011 1-32"

15 Abhay Ashtekar Advocate of Loop quantum gravity

16 Alain Aspect BIOG2: Proved Bell's Theorem in 1988. Having sent almost a trillion pairs of photons through his apparatus, Aspect found the Bells theorem QM prediction fulfilled to unprecedented accuracy. HHSP: Aspect and his experiment traveled the FFG core group circuit: p. 178 f. As John Clauser, Alain Aspect, and their colleagues learned, positive results of scientific experiments cannot force the scientific community to pay attention. The disrespect shown toward serious efforts to interpret quantum theory, even when driven by ingenious and original lab experiments, made life difficult ...[for anyone attempting such work] An acceptance of interpretive work as "legitimate" did not depend on new data or experiments; but rather on the authority of institutions; a slow grinding cultural shift.

- 17 Robert Assagioli BIOG2: [1888-1974] Being Italian, he was the first Western psychologist to seriously incorporate religion and spirituality into an overall view of the human psyche. He provided a more accurate map of consciousness than either Sigmund Freud or Karl Gustav Jung. This provided the groundwork for his foundation of the transpersonal psychology movement known as Psychosynthesis.
- 18 P. M. H. Atwater SPOOK: Researcher who interviewed more than 700 people about their NDEs, and reported that 105 had unpleasant experiences. P. 286.
- 19 Fred Atwater PHENOM: Army 2nd Lt. Fred Atwater worked in Operations Security, OPSEC, at Fort Meade MD in 1970s. He was given responsibility to train military personnel, with the help of Hal Puthoff et al, to learn psychic skills; ie Remote Viewing. P. 221- 225. At the end of his army career, just months away from retirement, he was expanding his own supernatural ideas. He would eventually serve as president of the Monroe Institute. There, he would teach clients how to communicate with nonphysical entities who, according to Monroe literature, were inhabitants of the distant future.
- 20 Lloyd Auerbach UNBELL: has a masters degree in parapsychology from JFK university, and investigates hauntings. He has found that the fluctuations in the EMF of the local environment are the best indicators of ghost activity. He uses a tri-field meter, which measures magnetic, electric, and microwave fields.
- 21 Samuel Avery NPM: Observes that physics' strange phenomena have to do with observation at dimensional extremes. According to Avery's theory, dimensions are structures of consciousness, arranged to create the appearance of matter. For him, matter is a fifth dimension of space time, and it is a time like dimension. Avery then assigns a correspondence between these five dimensions and the five senses.
- 22 Roger Babson TPT: An entrepreneur interested in gravity research. His original goal for the Gravity Research Foundation was anti-gravity. Hesponsored an essay contest on the best ways to harness gravity.
- 23 Christopher Bache BIOG2: [1949-] Professor of religious studies at Youngstown State University, is an award winning teacher, international speaker, and author of The Living Classroom, Dark Night Early Dawn, and Lifestyles. He has written articles for Dialectica and the Journal for the Scientific Study of Religion, and has received YSU's Distinguished Professor Award for teaching and research. Chris' work explores the deeper dimensions of human psychology, including collective consciousness, reincarnation theory and philosophical implications of transpersonal states of awareness. He has degrees from the University of Notre Dame, Cambridge University, and Brown University. <http://noetic.org/directory/person/christopher-bache/>
- 24 Grover Cleaveland Backster BIOG2: 1924-2013: In the 1960s, he reported that a polygraph instrument attached to a plant leaf registered a change in electrical resistance when the plant was subjected to human thought. His findings have been confirmed by Konstantin Korotkov, who has achieved a large following among medical and health science professionals internationally. Backster's findings have been confirmed by Konstantin Korotkov, who has achieved a large following among medical and health science professionals internationally. PHENOM: Grover Cleveland (Cleve) Backster, A former CIA analyst whose specialty was detecting deception. P 118-120. He cofounded the CIA's polygraph program and moved to NYC to found the Backster School of Lie Detection, and trained FBI agents the art of lie detection. On Feb 2, 1966, he did his first experiment with house plants. As he prepared to strike a match and burn the houseplant, the plant like detector reading spiked dramatically. Plants had consciousness, he was convinced. P. 120 f. He called the plant reaction the Backster Effect, and his work would eventually become the subject of a best selling book, the Secret Life of Plants, by journalists Peter Tomkins, a former OSS officer, and Christopher Bird, a CIA operative. REALDE: Alexander confirms working with Backster and his effect in a military capacity.

- 25 John P Bagby AAGEN: Astronomer who through Adler planetarium in Chicago, made an announcement that tiny "moons" had been found orbiting earth at 18000 mph. Natural or artificial?
- 26 Agnew Bahnson TPT: an associate of Roger Babson who was interested in gravity research. He founded the Institute of Field Physics to study gravity, and turned to John Wheeler to give him advise
- 27 Johann Balmer Scientist who discovered Balmer Series of spectral emission lines of the hydrogen atom
- 28 Julian Barbour NPM: In his 1999 book "The End of Time", Barbour argues that time is a secondary, derived concept, not a basic real phenomenon. Only "nows" exist, forever in a timeless realm Barbour calls Platonia
- 29 John Bardeen BIOG2: [1908-1991]. A theoretical physicist who won a Nobel prize with Walter Brattain and William Shockley for developing the transistor, at Bell Labs, which was much better amplifier and switch than the vacuum tube: much smaller, used less power, and was much more reliable. He shared the Nobel prize with Leon Cooper and J. Robert Schrieffer for the theory of superconductivity, which explains how some materials can conduct electricity without resistance at very low temperatures. Blackbirch Press: 2004. p. 32 f.]
- 30 Suzanne Bawin BIOG2: Researcher in bioelectromagnetic effects. Her research determined that electromagnetic radiation that is far too weak to cause significant heating can nevertheless remove radioactively labelled calcium ions from cell membranes
- 31 Peter Beamish BIOG2: biophysicist; Maintains through study of cognitive dynamics of whales, that time is a phenomenon of mind. His laboratory has been intensely involved with temporal concepts since the discovery in the early 1990's that cetacean (and now other nonhuman) concepts of time seem different than those in "most," human academics.<http://tech.groups.yahoo.com/group/cyclesi/message/13166>
- 32 Tom Bearden BIOG2: Lt Col. Ret. President and Chief Executive Officer, CTEC, Inc. MS Nuclear Engineering, Georgia Institute of Technology. BS Mathematics, Northeast Louisiana University. Graduate of Command & General Staff College, U.S. Army. Graduate of Guided Missile Staff Officer's Course, U.S. Army (equivalent to MS in Aerospace Engineering). Tom is a leading conceptualist in alternate energy technology, mind/matter interaction, EM bioeffects, paranormal phenomena, parapsychology, psychotronics, Tesla technology, and unified field theory concepts. He is the leading advocate of scalar potential electromagnetics, and has worked with several inventors involved in alternate energy devices and scalar electromagnetic system prototypes.
- 33 Mario Beauregard FOG: In 2006 he was the recipient of the Joel F. Lubar award for his contribution to the field of neurotherapy. The National Film Board of Canada has produced a documentary film about his work titled, The Mystical Brain, and in September 2007 Dr. Beauregard published his latest book, The Spiritual Brain: A Neuroscientist's Case for the Existence of the Soul (HarperCollins), in collaboration with science writer Denyse O'Leary. His research found that brain imaging studies of nuns showed that areas associated with positive emotion became very active; areas of unconditional love became active, and parietal lobes, which determine the subject's physical boundaries, showed unusual changes in blood flow. The part of the brain usually associated with "the subjective experience of contacting a spiritual reality" spikes. Their brains seemed to be saying that the nuns felt themselves absorbed in something greater than themselves. Beauregard amassed sufficient brain images to make the case that a mystical state was physiologically distinct from either an intensely emotional or resting state. He also discovered that near death experience unfolds in the brain in much the same way as the nun's meditative union with God. He also found that both groups could re-enact their spiritual experience, and manipulate their brainwave activity to open a spiritual realm. [Fingerprints of God Barbara Bradley Hagerty Riverhead books 2009] p. 229f. The book "The Spiritual Brain" seems to be quite controversial see

<http://pandasthumb.org/archives/2007/10/the-spiritual-b.html> and <http://www.nourfoundation.com/speakers/mario-beauregard-phd.html>

34 Robert Beck INFIMND: Experimental physicist that developed sensitive instruments that he used to record brain waves of proven psychics. He founds that their brain waves during their mystic state was 7.8 Hz, the same frequency as the Schumann resonance. P. 63

35 LLOYD Beck PHENO: Yale scientist, who along with Walter S. Miles first reported that the olfactory nerve of the bee radiated energy in the infrared spectrum

36 Robert O Becker BIOG2: Orthopedic surgeon noted for research on biological electrical potentials. Noted that healing of fractures occurs in presence of complex electrical activity. Suggested an invisible template must exist for limbs to build themselves. Champions the campaign on EM Pollution. Found measurable voltage difference associated with acupuncture points. Discovered that aside from intermittent electrical impulses traveling down a nerve fiber, a continuous dc dielectrical signal travels thru the nerve sheath. Discovered that bone is piezo-electric; i.e.; mechanical stress is converted to electrical potential. Wrote "The Electromagnetic Foundation of Life". Brought Vitalism back into scientific vogue. Because of his awareness of the profound effects of electromagnetic fields on the human physiology, he is an ardent activist of EM pollution. Showed that power line harmonic resonance causes fallout of charged particles from the Van Allen belt; and that these particles cause ice crystals, which in turn precipitate rain clouds. FIELD: Becker attempted to stimulate or speed up regeneration in humans and animals. He also demonstrated a "current of injury" in which salamanders with amputated limbs develop a change of charge at the site of the stump, whose voltage climbs until the new limb appears. HANDSOL: Becker mapped a complex electrical field on the body which is shaped like the body and the central nervous system. He named this field the Direct Current Control System and found that it changes shape and strength with physiological and psychological changes. He also found particles moving through this field that are the size of electrons. P. 20.

37 C. E. Becker IRRMND: Some have interpreted NDEs, with their dark tunnel and bright light as a memory of one's birth. Becker has argued that newborns lack the visual, spatial and mental capacities to register such memories. Further, many NDEs do not contain these elements. P. 376 f

38 Fred Beckman INVCOL: suggested that Skinner's research might have a bearing on a discussions of human reactions to ufos..

39 Nick Begich BIOG2: Eldest son of the late United States Congressman from Alaska, Nick Begich Sr., and political activist Pegge Begich. He is well known in Alaska for his own political activities. He was twice elected President of both the Alaska Federation of Teachers and the Anchorage Council of Education. He has been pursuing independent research in the sciences and politics for most of his adult life. Begich received Doctor of Medicine (Medicina Alternativa), honoris causa, for independent work in health and political science, from The Open International University for Complementary Medicines, Colombo, Sri Lanka, in November 1994. He co-authored with Jeane Manning the book Angels Don't Play This HAARP; Advances in Tesla Technology. Begich has also authored Earth Rising - The Revolution: Toward a Thousand Years of Peace and his latest book Earth Rising II- The Betrayal of Science, Society and the Soul. both with the late James Roderick. His latest work is Controlling the Human Mind - The Technologies of Political Control or Tools for Peak Performance. Begich has published articles in science, politics and education and is a well known lecturer, having presented throughout the United States and in nineteen countries.

<http://www.earthpulse.com/src/category.asp?catid=13>. The fiery James Fetzer blasts the authenticity of Begich:

<http://911scholars.ning.com/forum/topics/dr-nick-begich-fake-doctorate-weather-modification-haarp-expert>.

40 Michael Behe BIOG2: Biochemist. [1952-] Intelligent Design advocate who, in his book "Darwin's Black Box", elaborates on the idea of irreducible complexity as an argument to be included in the Intelligent Design proposition of God.

41 Julie Beischel SPOOK: University of Arizona psychology post doc, proposed an "Asking Questions" program to specifically ask the spirits specific questions. Matla and Zaalberg van Zelst, Dutch physicists, and Arthur Findlay also provided alleged responses to specific questions about their existence. P. 156-157

42 John Stewart Bell HHSP: Had engaged in shouting matches with his professors on the propriety of eliminating discussion of meaning from the study of QM. He showed that the hidden variable approach is not incompatible with QM, but no local hidden variable theory could ever produce the degree of correlation found between a pair of particles, This result is called Bell's Theorem. Nonlocality was endemic to QM: somehow the outcome of the measurements of each particle depended on one another, regardless of the distance separating the particles. .

43 Jocelyn Bell TPT: In Martin Ryle's radio astronomy group in Cambridge, Jocelyn Bell was assigned the task of locating and studying quasars at 81.5 megahertz. She discovered a periodic spike in the data, but could not tell what it was or where it was coming from. The phenomena turned out to be a quasar. Bell's supervisors got the Nobel Prize for this discovery; Bell was left out entirely.

44 Donald Lynden Bell TPT: best known for his theories that galaxies contain massive black holes at their centre, and that such black holes are the main source that powers quasars

45 Alexander Gra Bell Inventor of the telephone.

46 Eugenio Beltrami

47 Daryl Bem BIOG2: Prominent mainstream social psychologist from Cornell University who, using standardized social psychology tools, made great strides in authenticating the existence of Psi (ESP) phenomena. His study, Feeling the Future: Experimental Evidence for Anomalous Retroactive Influences on Cognition and Affect, appeared in The Journal of Personality and Social Psychology in 2010. <http://www.wired.com/2010/11/feeling-the-future-is-precognition-possible/>

48 Lawrence and Bendit BIOG2: Made extensive observations of the Human Energy Field in the 1930's and related these fields to health, healing, and spirituality

49 Paul Bennewitz AAGEN: The target of an AFOSI disinformation campaign in the form of fake official documents detailing alleged alien government contacts. This was to confuse and discredit him. He was finally hospitalized for a nervous breakdown. OUTTHERE; MMEN; TSN.

50 Issac Bentov BIOG2: [1923-] Born in Czechoslovakia, moved to Israel during WWII and came to the US in 1954. He became a consultant to industry, eventually specializing in bio-medical engineering. As of 1977 he was studying the effects of altered states of consciousness on human physiology. [Itzhak Bentov, Stalking the Wild Pendulum, Bantum books, 1977.] This book has become a minor classic, For example see <http://www.sangraal.com/bardorion.htm>. Bentov's work on kundalini energy presented in that book has been referenced by later writers, including Georg Feuerstein and Ken Wilber in their 2002 book The Yoga Tradition: Its History, Literature, Philosophy and Practice Google Preview: [http://books.google.com/books?id=Yy5s2EHXFWAC&printsec=frontcover&source=gbs\\_navlinks\\_s](http://books.google.com/books?id=Yy5s2EHXFWAC&printsec=frontcover&source=gbs_navlinks_s)

51 Jacques Benveniste FIELD: Trained as a medical doctor, then went into research on allergies. Appointed Director of the French National Institute of Health and Medical Research (INSERM). Noting anomalous behavior of white blood cells in a study at INSERM, Benveniste did further studies which were eventually published, and

were widely regarded as making a valid case for homeopathy. He was attacked by John Maddox, then editor of the journal Nature, along with James Randi, who stormed Beneveste's lab and did their own experiments. According to Benveniste's theory, which has been supported by experiment, molecules rely on electromagnetic signaling at low frequencies (between 20hz and 20 khz) Each molecule has its own signature frequency, and can resonate with other molecules. modern technology both to record this frequency and to use this recording itself for cellular communication. His laboratory was shut down when the French government pulled his funding because his research seemed to validate homeopathy. However, he subsequently formed DigiBio Research Laboratory

52 Jacob Berkenstein TPT: a student of John Wheeler, conjectured that if the second law of thermodynamics is to be satisfied, black holes must have entropy, directly related to the surface area of the black hole. This also meant that it must have temperature. Hawking rejected Berkenstein's idea, but there were hints it was correct. wanted to improve MOND. In 2004 he published a new theory to rival Einstein's, called TeVeS, for the tensor vector scalar theory of gravity. It was a mess, much more intricate and tangled than Einstein's, but it worked. It behaved like MOND when applied to galaxies, eliminating the need for dark matter, and also could be used to work out how the universe evolved and how large scale structures formed. The majority of cosmologists dismissed it as a kludge; a clumsy workaround that did not get at the heart of the problem. But it was a high powered kludge. Berkenstein's black hole entropy was one of the most profound insights of modern GR and quantum physics.

53 Charles Berlitz With William Moore, the author of controversial books, with such titles as The Philadelphia Project and The Bermuda Triangle.

54 Rosalie Bertell BIOG2: President and founding member of the International Institute of Concern for Public Health (IICPH), and Editor in Chief of International Perspectives in Public Health. Dr. Bertell served four years as Co-chair for Canada on the Ecosystem Health Workgroup of the Science Advisory Board to the US - Canada International Joint Commission (IJC) on the Great Lakes, and currently serves on the IJC Nuclear Task Force. She also serves as advisor to the Great Lakes Health Effects Program of Health Canada, and to the Environmental Assessment Board of Ontario. Dr. Bertell Directed the International Medical Commission - Bhopal which investigated the aftermath of the Union Carbide disaster in Bhopal, and of the International Medical Commission - Chernobyl, which convened the Tribunal on violations of the human rights of victims in Vienna, April 1996. She has received numerous awards and five honorary Doctorate degrees since launching the IICPH in 1984. Dr. Bertell is a member of the Grey Nuns of the Sacred Heart. Dr. Bertell earned a Doctorate in Biometry at the Catholic University of America, Washington, DC, in 1966, and has been working ever since in environmental epidemiology. She has collaborated in analyses undertaken in the US, Canada, Japan, the Marshall Islands, Malaysia, India, Germany, Ukraine and other countries. Author of Handbook for Estimating the Health Effects of Ionizing Radiation (1984, 1986) and the popular non-fiction book: No Immediate Danger: Prognosis for a radioactive Earth, together with more than a hundred articles, book chapters and poems, Dr. Bertell has reached medical, scientific, and popular audiences around the globe. No Immediate Danger, has been translated into Swedish, French, German and Finnish. A Russian translation is in process. By choice, Dr. Bertell works with indigenous people and economically developing countries as they struggle to preserve their human rights to health and life in the face of industrial, technological and military pollution. [http://www.ccnr.org/bertell\\_bio.html](http://www.ccnr.org/bertell_bio.html). Dr Bertell has also spoken out on the use of DU and the possible effects of HAARP.

55 Robert Bigelow 37THP: A successful real estate businessman who dedicated his wealth to creating a scientific understanding of unearthly possibilities. He endowed a new physics lab at the U of Nevada and funded a leading parapsychologist as the Bigelow Chair at the U, to study altered states of consciousness, near death experiences, and ESP. p. 143. He founded the National Institute for Discovery Science (NIDS) Headquarters in Las Vegas in 1996, with top researchers in the fields of biology, geology, astrophysics, and chemistry, as well as trained former police detectives, and FBI agents, tasked with studying verifiable UFO sightings. He wasn't trying to find UFOs; he was trying to use science to identify whatever it was people were seeing. He founded Bigelow Aerospace and Bigelow Aerospace Advanced Space

Studies. (BAASS), and worked with NASA. He made arrangements with the FAA to be the contact point for pilots who want to report UFO sightings. In 2001, FAA manuals requested pilots report their sightings to the National Institute for Discovery Science (NIDS). After NIDS was terminated, in 2015, FAA manuals requested pilots were to report their sightings to Bigelow Aerospace Advanced Space Studies, (BAASS) Bigelow adopted an idea from NASA called TransHab, inflatable space habitats. He took over the project, which became Genesis.

<http://www.ufointernationalproject.com/latest-news/camera-shy-bigelow-and-his-obsession-with-ufos/>

56 James Bjorken CONQUARK; SCHOLARPEDIA web site: Jorke n Provided an important simplifying feature—scaling—of a large class of dimensionless physical quantities in elementary particles; it strongly suggests that experimentally observed strongly interacting particles (hadrons) behave as collections of point-like constituents when probed at high energies. A property of hadrons probed in high-energy scattering experiments is said to scale when it is determined not by the absolute energy of an experiment but by dimensionless kinematic quantities, such as a scattering angle or the ratio of the energy to a momentum transfer.

57 William Blake Poet, artist and mystic (1757-1827) GNOSTICS: The most qualified of the Romantic poets to be a true Gnostic...There are uncanny resemblances between his “prophetic” poems and the original Gnostic texts... his demiurgic mythical characters are ignorant world creators....in Blake’s time no Gnostic texts had been translated into English

58 William Blanchard WITOROS: RAAF commanding officer and Colonel in July 1947. RAAF, under Blanchard’s command, was the military base entrusted with the management and delivery of the top secret atomic bombs which were dropped on Japanese cities that ended WWII in 1945. Blanchard announced the recovery of a flying disk on Tues July 8 1947. Later that day, General Roger Ramey, Blanchard’s supervisor, claimed he was mistaken, and that the army had recovered a Radar target devise suspended on a neoprene weather balloon.

59 Dick Blasband INTENT: Psychologist who collaborated with Fritz popp to create a number of orgone accumulators, and tested for biophoton emissions from a variety of plants. they tried healthy and "ill" algae. they also added intentionality. Then measured biophoton emission before and after treatment. Without intentionality, there was no difference in biophoton emissions. Negative intentionality, to harm, had greater effect than positive.

60 Helena Petrov Blavatsky BIOG2: Along with Henry Steel Olcott and William Quan Judge, founded the Theosophical Society in New York City. Helped to spread Eastern religious and philosophical ideas thruout the west. Attempted to give the study of occultism a scientific foundation. WIKI: A Russian occultist, philosopher, and author who co-founded the Theosophical Society in 1875. PHENOM: Introduced the concept of the Akashic records to Theosophy. GNOSTICS: In Theosophy, Blavatsky’s “The Secret Doctrine” made frequent reference to Gnostic literature

61 Franz Bludorf Author in European and Russian biology

62 Howard Blum Author of "Out There"

63 Igor and Grichk Bogdanov, NPM: A theory on origin of the big bang, the nature of the smallest scales of space and time, and topology’s role in physics has caused a stir . Their work has been published in serious physics journals, but some wonder if their work might be a hoax,

64 David Bohm BIOG2: [1917-1992] Quantum physicist who developed an alternative theory of quantum mechanics. Around 1935, Erwin Schrodenger formulated “wave QM”, insisting the true nature of electrons to be waves; Werner Heisenberg formulated “matrix QM”, which assumed electrons to be particles. Paul Dirac showed these were equivalent by his transformation QM. Bohm developed a QM theory in which electrons were real physical particles. In 1959, he and Yakir Aharonov proposed that a moving electron can have its phase altered by the vector potential of the



electromagnetic field of a nearby object, without actually encountering the object or its magnetic field. Using an advanced form of electron microscope, in several sets of tests, Akira Tonomura demonstrated conclusively in 1982 and 1986 that the Aharonov-Bohm (A-B) effect was real. Bohm also proposed the Holographic Theory of the Universe, by which reality consists of a manifest (explicate) and unmanifest (implicate) order. AQCON: Proposed a holographic universe. HHSP: Bohm had been a grad student under J. Robert Oppenheimer at Berkeley. At about this time, Bohm, despite no wrong doing, had been hounded by the House Un-American Activities Committee (HUAC) and after a media spectacle relocated to Sao Paulo Brazil. In the midst of this controversy Bohm crafted his own hidden variables interpretation of QM. He believed the troubling QM probabilities arose from averaging over real but hidden variables. Rewriting Schrodinger's wave equation in a new way, Bohm showed it could also be interpreted in a non-probabilistic way. An electron may behave deterministically much like a billiard ball. To do this Bohm had to introduce a new force field; the "quantum potential", which is guided by a "pilot wave", and accounts for the hidden variables. He also enjoyed close relations with members of the FFG, hosting Rauscher, Wolf and Sarfatti at his home department in London during the 1970s. His ideas of the "implicate" and explicate order" were worked out as much in conversations with New Age thinkers as mainstream physicists. FIELD: Postulated that all information was present in some invisible domain; the implicate order, but could be made available in the explicate order. P 136 Bohm's model viewed time not as a primary reality, but as part of a larger reality. P. 174

65 Niels Bohr, BIOG2: [1855-1962] Danish physicist born and educated in Copenhagen. His theoretical work produced a new model of atomic structure, called the Bohr model, and helped to establish the validity of quantum theory. He also explained the process of nuclear fission, and won the Nobel prize for physics in 1922. Denmark made him a professor in 1916, and then built the Institute of Theoretical Physics for him. Leading physicists from all over the world developed Bohr's work there, resulting in the theories of quantum and wave mechanics. Bohr's atomic theory was validated in 1922 by the discovery of an element he had predicted, named hafnium. He developed the principle of "complementarity", that a fundamental particle is neither a wave nor a particle. Bohr escaped from German occupied Denmark in a fishing boat during WWII and assisted with the development of the atomic bomb in the US. In 1952 he helped to set up the European nuclear research center CERN in Geneva.

66 Jessica Bolker,

67 Stephen Boltzman

68 George Boole

69 Ray Bordon PHENOM: Unofficial Rver

70 Max Born, BIOG2: [1882-1970] born in Breslau (now Wroclaw, Poland) He was professor of physics in Germany until the rise to power of the Nazis, when he went to the UK. He received the Nobel prize in 1954 for his work on quantum theory, especially his discovery that the wave function of an electron is linked to the probability that the electron will be found at any given point. In 1924 he coined the term "quantum mechanics", and worked with Werner Heisenberg to develop matrix QM in 1925

71 Satyendra Nath Bose, INTENT: discovered mathematically, that under some conditions, multiple "photons should be treated as identical particles"

72 Robert Neil Boyd BIOG2: Physicist and author, with a background in plasma physics and electro-optics. Since 1998 he has been involved in a number of projects. For example, in 1999 he was invited to join Project Greenglow, sponsored by BP Aerospace, U.K., a group of researchers tasked with exploring antigravity and force field propulsion techniques. In 2004 he was invited to join Peter Gariaev's research staff, in which he is presently active. Posted on his website are his essays on spirit and consciousness, physics, health, his artwork, etc. His web page section "The Physics of

Consciousness" references Vladimir Poponin, Gariaev, A. Klein, (Frank D.) Tony Smith, Dr. William Tiller, The American Institute of Physics Bulletin, phantom DNA Effect

73 Timothy Boyer BIOG2: Showed that many strange properties of subatomic matter, wrestled with by physicists and leading to the formulation of quantum mechanics, could be easily accounted for in classical physics if the zero point field is included. Bohr's law states that electrons radiate from atoms only when they have the proper amount of energy. If the zpf is taken into account, the electrons loose and gain energy constantly from the zpf. Electrons get their energy without slowing down because they are continuously refueling from the ever present zpf

74 Timothy Boyer FIELD: Showed that many strange quantum rules could be accounted for in classical physics, if you include the ZPF. Uncertainty, wave-particle duality, and the fluctuating motion of particles all had to do with interaction of the ZPF and matter.

75 Tycho Brahe BIOG2: [1546-1601] Provided the observational data used by Kepler to form his three planetsary laws. He attended the universities of Copenhagen and Leipzig, and then traveled through the German region, studying further at the universities of Wittenberg, Rostock, and Basel. During this period his interest in alchemy and astronomy was aroused, and he bought several astronomical instruments. In a duel with another student, in Wittenberg in 1566, Tycho lost part of his nose. For the rest of his life he wore a metal insert over the missing part. He returned to Denmark in 1570. He became convinced that improvement of astronomy hinged on accurate observations, and accepted an offer from King Frederick II to fund an observatory. He was given the little island of Hven in the Sont near Copenhagen, and there he built his observatory, Uraniburg, which became the finest observatory in Europe. Tycho designed and built new instruments, calibrated them, and instituted nightly observations. He also ran his own printing press. The observatory was visited by many scholars, where Tycho trained a generation of young astronomers in the art of observing. In Prague, he hired Johannes Kepler as an assistant to calculate planetary orbits from his observations. If comets were in the heavens, they moved through the heavens. Up to then it had been believed that planets were carried on material spheres (spherical shells) that fit tightly around each other. Tycho's observations showed that this arrangement was impossible because comets moved through these spheres. The celestial sphere concept faded out of existence between 1575 and 1625. Contrary to the traditional story that Tycho died as the result of a urinary infection, it has been shown that he more likely died of acute mercury poisoning, which has been attributed to Kepler. [http://www.fixedearth.com/brahe\\_poisoned.htm](http://www.fixedearth.com/brahe_poisoned.htm).

76 James Braid BIOG2: In 1843, James Braid came to the conclusion that the healing of Mesmerism was produced by "a peculiar condition of the nervous system, induced by a fixed and abstracted attention ..." and not through the mediation of any special agency passing from the body of the operator to that of the patient. To distinguish his views sharply from those of mesmerism, he named the state of nervous sleep "hypnotism".

77 William Braud INTENT: psychologist and research director of Mind Sciences Foundation in San Antonio Texas. Asked: is it possible to edit one's own emotional response to an event, Yes. FIELD: Began as a traditional psychologist but became convinced that something far more complex than chemicals are involved in consciousness. He developed a series of experiments to provide measurable feedback on the effect external intentionality might have on living things, such as fish, animals, and red blood cells. He found that staring at subjects caused EDA responses showing stress, even when the subject was not aware of this stress. He conducted ESP studies using the ganzfeld method of cutting out sensory input, and also showed that it is possible to block negative intentions by visualizing a safe or protective shield. He suspected a field of information is available, and an ability of human beings to provide information which would help to better order other people and things. It was the participant with the most coherent brain wave patterns who tended to influence the others. Here a type of "coherent domain gets established, just as with molecules of water. The model suggested by Braud is of a universe to some degree, is under our control. Our wishes and intentions create our reality. P. 126-136 f.

78 Stephen Braude investigated automatism from the philosophical perspective. His book "First Person Plural: Multiple Personality and the Philosophy of Mind " looks at multiple personality disorder (MPD), today called dissociative identity disorder (DID) He argues that although in many ways humans function as a conglomerate of distinct psychic entities, we are in fact a unity.

79 Vladimer Breginski, professor at Moscow State University in Russia, a seminal leader in gravitational wave research and major contributor to LIGO,

80 Barbara Ann Brennan BIOG2: has a MS in Atmospheric Science. She is a past research scientist for NASA at the Goddard Space Flight Center. Healer, sensitive, and student of the Human Energy Field (HEF). She conducted experiments with Dr Richard Dobrin and Dr. John Pierrakos to measure the light level emitted by individuals. She is also the founder of the Barbara Brennan School of Healing (1982) in Southern Florida, and Barbara Brennan International, which operates BBSH Europe and BBSH Japan. Best-selling author of "Hands of Light®", "Light Emerging", and "The Seeds of the Spirit®" book series.

81 John Brockman

82 Thomas Towns Brown SAPRO: A career Navy officer and talented engineer, researcher, and inventor, he collected a number of US patents, and discovered several phenomena, including the electrogravitic effect, and petrovoltic materials. He entered Cal Tech in 1922, and spent a lot of time trying to convince his professors to observe his experiments, which they dismissed out of hand. He transferred to Dennison U, Ohio, where one of his physics professors, Paul A. Biefeld, was interested in the movement of capacitors, and they had long conversations. He called this phenomena the Biefeld Brown effect,

83 Barbara B. Brown BIOG2: [-1999] Brown earned her Ph.D. in Pharmacology from the University of Cincinnati College of Medicine in 1950, and subsequently worked for several pharmaceutical companies before becoming Associate Clinical Professor of Pharmacology at the University of California. Dr. Brown created and popularized the word "biofeedback" in the 1970s. She was co-founder and first president (1969-1970) of the Biofeedback Research Society, which evolved into the Biofeedback Society of America and then into the Association for Applied Psychophysiology and Biofeedback. Her most popular book: New Mind, New Body: Bio Feedback: New Directions for the Mind, Harper Collins, 1974. AQCON: Remarked that the results in biofeedback training reflect the mind's ability to alter every physiological system, every cell in the body.

84 Gerhard W. Bruhn,

85 Giordano Bruno, FORBIDU: Giordano Bruno was regarded as one of the greatest intellects and philosophers of his time. He saw Hermeticism as a way of transcending the religious schisms that were causing such horrors. He particularly deplored the way the Catholic Church sought to impose itself through 'punishment and pain'; using force rather than love. He proposed two ideas that went way beyond even those of Copernicus. The first was that all creation was infinite. The second was that the stars are not small bodies of light fixed on that sphere but are actually suns like our own, only immensely far away, at different distances in the infinite universe. Bruno made a further extrapolation: if the stars are suns, then they too are circled by planets. His ideas sprang from his immersion in the ancient philosophy of Hermeticism. Of course he was burned at the stake as a heretic.

86 Rosalyn Bruyere, BIOG2: The first scientifically documented aura reader in history by virtue of the results of 500 hours of research logged in a project coordinated by UCLA's Dr Valerie Hunt. In working with Hunt, the two discovered that the color changes in the aura preceded the illness, so now the thinking was that rather than the body creating the aura, maybe the aura creates the body. She is an ordained minister and director of Healing Light Center Church, Sierra Madre Ca. Author of "Wheels of Light".

87 C. B. D. Bryan

88 Lyn Buchanan PHENOM: Military remote viewer.

89 John Burke,

90 Harold Saxton Burr, BIOG2: E. K. Hunt Professor of Anatomy at Yale University School of Medicine. In 1932, his observations of neuro-cellular proliferation in the amblystoma led him to propose the "electro-dynamic theory of development" for which he is now most widely remembered. He began to experiment with electrical recordings of energy fields around living organisms. Burr's research contributed to the electrical detection of cancer cells, experimental embryology, neuroanatomy, and the regeneration and development of the nervous system. 1935 saw the publication of his general papers (with F.S.C. Northrop) "The electro-dynamic theory of life" and (with C.T. Lane) "Electrical characteristics of living systems". His late studies of the electrodynamics of trees, carried out over decades, suggested entrainment to diurnal, lunar and annual cycles. His book, Blueprint for Immortality, published late in his career though he based it upon work carried out over decades, contended that the electro-dynamic fields of all living things, which he called fields of life or L-fields, may be measured and mapped with standard voltmeters, and mould and control each organism's development, health and mood. In Blueprint, Burr makes many interesting observations; for example, Burr discovered that salamanders have an energy field shaped like an adult salamander, and this blueprint exists even in the unfertilized egg. [Lynn McTaggart, The Field p. 48.]; He was able to measure the changes taking place in the L-field as wounds would be healing; He worked with Dr. Leonard J. Ravitz, at the time on the staff of the Department of psychiatry at Yale to establish electro-metric techniques for assessing normal, and deviations from normal mental functioning; Dr. Ravitz, found that an emotion of grief recalled under hypnotic regression caused a 14-millivolt rise for two and a half minutes in the L Field. Burr and Elmer Lund of U. of Texas advanced similar theories of an electrodynamic field. Burr's work was dismissed by many as foggy vitalism.

[http://en.wikipedia.org/wiki/Harold\\_Saxton\\_Burr](http://en.wikipedia.org/wiki/Harold_Saxton_Burr). Excerpts from Burr's book Blueprint For Immortality:

<http://www.wrf.org/men-women-medicine/dr-harold-s-burr.php>.

91 Martin Caidin

92 Burton H. Camp,

93 Joseph Campbell BIOG2: [1904-1987] Professor Emeritus of Literature and noted writer and lecturer in mythology. He teaches that the imagery of dreams is the basis of mythology. Mythology functions to harmonize the conflicting aspects of human nature. There are two main types of myth: one type coordinates individuals into a group (tribal mythology) Another type recognizes that the power of God is within the individual. Mythology is a validation of experience, giving it a spiritual or psychic aspect.. In "The Mythic Image", he examines the mythology that culminated in the worlds great religions: including Hinduism, Buddhism, Christianity and Islam. Also wrote "Inner Reaches of Outer Space". In an interview for "Thinking Allowed" with Jeffery Mishoff, he said: "The human spirit is developing. I do not have a negative attitude toward the human spirit. I take a very negative attitude towards what is happening to our politicians. The chaos of our world today is not a function of the illumination of humanity. It is a function of a bunch of self interested politicians"

94 Botta Cantcheff, NPM: Phenomenological spacetime is not in existence before a physical event occurs, but instead develops with the event, as opposed to taking place within a backdrop of already structured spacetime. Cantcheff notes similarities between the math modeling of the motion of a single particle and the math modeling of motion of matter fields. Using this concept, he derives from one particle models of motion a unified field theory for mater and forces, including the force of gravity.

95 Fritjof Capra, BIOG2: Author of The Tao of Physic and The Turning Points. Fritjov Capra said of most scientists "They don't seem to realize the philosophical, cultural, and spiritual implications of their theories". But to what extent can subatomic reality be applied to the macroscopic world? In "The Tao of Physics" he wrote "I believe that the world view implied by modern physics is inconsistent with our present society, which does not reflect the harmonious inter-relatedness we observe in nature. In 1983 he turned that topic into another book, "The Turning Point Science, Society, and the Rising Culture" HHSP: FFG member, and Author of the book The Tao of Physics, and The Turning Point. This solidified his position as a major New Age thinker. He wrote a screenplay on the book with his brother, a filmmaker. It was released in 1992 as the movie Mindwalk.

96 Robin Carhart-Harris,

97 Jimmy Carter past US president and current humanitarian.

98 Hendrick Casimer FIELD: Dutch physicist who showed that two metal plates placed close together will experience an attractive force, called the Casimir effect.

99 Manuel Castells

100 Henry Cavendish BIOG2:[1731-1810] English chemist and physicist born in Nice, France to an aristocratic family. He performed numerous scientific investigations, but published only twenty articles and no books. Cavendish perfected the technique of collecting gases above water, publishing his techniques and new findings in On Fractious Airs (1766). He investigated "fixed air" and isolated "inflammable air" (hydrogen) in 1766 and investigated its properties. He showed that it produced a dew, which appeared to be water, upon being burned. This experiment was repeated by Lavoisier who named the gas hydrogen. He investigated air, and found a small volume which he could not combine with nitrogen using electrical sparks. The experiment was ignored until repeated by Ramsay, who is credited with discovering argon. Cavendish also used a sensitive torsion balance called the Cavendish balance to measure the value of the gravitational constant G, from which he calculated the mass of the earth His experiments in electricity were only published a century after they were performed, when Maxwell rediscovered them in 1879. Had they been published, they alone would have brought him fame. Cavendish discovered for himself that the force between a pair of electrical charges is inverse to the square of the distance between them, a basic law of electrostatics subsequently established by a French physicist, C.A. Coulomb, and known by his name. He developed the idea that all points on the surface of a good conductor are at the same potential with respect to a common reference, the Earth. In a series of experiments on various conductors, he discovered that the potential across them was directly proportional to the current through them, thus anticipating the law enunciated by Georg Simon Ohm, a German physicist, in 1827. Cavendish had no means of measuring current and managed only by turning his own body into a meter, estimating the strength of the current by grasping the ends of the electrodes with his hands and noting whether he could feel the shock in his fingers, up to his wrists, or all the way up to the elbows. All of his researches were subsequently repeated, after the discovery of his notebooks and manuscripts over a century later, by the great Scottish mathematical physicist, James Clerk Maxwell, who devoted

101 Edgar Cayce

102 Elroy John Center UFOS2DAY: Center left Battelle in 1957. He claimed that at Battelle his team was presented with "parts" that were said to be from a flying saucer. The task was to determine what the characters of apparent writing on the parts meant. He also said there was a lot more he could not discuss. This account was provided by Center's friend Nick Nicholson, and is the only best evidence Scott has of Battelle working with "UFO materials" Because similar writing was described on alleged "I-beams" from Roswell, the question arises as to whether these "parts" came from Roswell. His work centered on developing new techniques for microanalysis of new titanium alloys.

Center's work concerns detecting metal impurities; Titanium has to be of very high purity for use in shape memory applications. It is alleged that he co-authored Battelle reports linked with the Roswell event.

103 David Chalmers,

104 Subrahmanyan Chandra TPT: Using the special theory, he found that if the white dwarf became too heavy, the electrons would be unable to sustain the gravitational pull, and the star would collapse. Chandra gave Eddington and Fowler a draft of his calculations, and they ignored it. Chandra perfected his paper and presented it to the Royal Astronomical Society. Eddington summarily dismissed Chandra's paper, and due to his authority, it was immediately dismissed by most of the audience. P. 57

105 Maurice Chatelain AAGEN: Author of 1976 book "Our Ancestors Came From Outer Space". Claims the astronauts saw things during their missions that could not be discussed by anyone outside NASA. Was in charge of designing and building the Apollo communication and data-processing system for NASA.

106 Jean-Pierre Chaumeil, COSSER: In Chaumeil's book (in French) "Vision, Knowledge, Power: Shamanism Among the Yagua in the North-East of Peru", a "celestial serpent" appears in a drawing of the universe by a Yagua shaman. Then, a few pages later, another shaman is quoted as saying: "At the very beginning, before the birth of the earth, this earth here, our most distant ancestors lived on another earth..." Chaumeil adds that the Yagua consider that all living beings were created by twins, who are "the two central characters in Yagua cosmogonic thought."

107 Geoffrey Chew FEYNBOW: leader of S-matrix theory, for awhile the hottest thing around, but it did not pan out. Chew kept at it but got nowhere and was forgotten p99

108 Noam Chomsky,

109 Deepak Chopra, BIOG2:[1946-] Physician, public speaker and author. Graduated from the All India Institute of Medical Sciences in 1969. In 1970, Chopra emigrated to the US in 1970 with his wife, Rita, to do his clinical internship in New Jersey. He has written extensively on spirituality and diverse topics in mind-body medicine. Chopra says that he has been profoundly influenced by Jiddu Krishnamurti. He has also been influenced by the teachings of Vedanta and the Bhagavad Gita. Chopra has influenced the "New Thought Movement" in the United States. He has received numerous accolades and has been honored by, among others, President Bill Clinton, Time Magazine, and Mikhail Gorbachev. His most popular books include "Quantum Healing: Exploring the Frontiers of Mind/Body Medicine", "Life After Death: The Burden of Proof", and "The Book of Secrets: Unlocking the Hidden Dimensions of Your Life".

110 Arthur C. Clark Science fiction writer and futurist

111 John Clauser, FGG member: Did early experimental work on proving Bell's Theorem. He edited and refereed Aspect's paper on the final proof. Clauser was brilliant, but was shunned by academia

112 Rudolph Clausius

113 Frank Close

114 David Cohen BIOG2:After working with John Zimmerman on the SQUID, developed a brain magneto-gram (electroencephelogram). Brain fields are hundreds of times weaker than heart fields.

115 Samuel Taylor Coleridge,

116 Francis S. Collins BIOG2:[1950-] American physician and geneticist noted for his discoveries of disease genes and his leadership of the Human Genome Project (HGP). He has served as Director of the National Institutes of

Health (NIH) in Bethesda, Maryland since 2009. Prior to being appointed Director, he was the founder and president of the BioLogos Foundation, an organization which promotes discourse on the relationship between science and religion, and advocates the perspective that belief in Christianity can be reconciled with acceptance of evolution and science. His 2006 book, *The Language of God*, spent many weeks of the NY Times Best Seller list

117 Trevor James Constable REALDE: Had done weather modification research using orgone energy. According to Reich, orgone flowed from low to high potential. There was also an affinity for attraction to water. Constable was alleged to be able to create rain in specific locations, even with a cloudless sky; small storm clouds gathering, with showers in the location. He also demonstrated that orgone guns could be used to block prevailing weather systems. Clouds were filmed moving in a standard west to east direction. When the orgone system was turned on, the clouds in front of the guns stopped going east and went north, but after clear of the orgone energy path, they resumed their eastern flow. Constable died in 2016. P. 53

118 Dora Coons,

119 Gordon Cooper apollo astronaut; UFOS2DAY:With Jacques Vallee, Ted Phillips, and J. Allen Hynek, was invited, and accepted an invitation to meet with the Secretary-General at the UN in New York. UFOS2DAY say this happened in 1994, but Hynek died in 1986.. He wrote several letters to the United Nations confirming his belief in ET, as well as his support for a UN initiative to study UFOs

120 Freeman W. Cope BIOG2:[1930-1982]: Produced pivotal work linking physics and biology, and developed a solid-state theory of biological processes. He deduced that the activity in the cell is not just electrochemical, and looked at the cell function as if the organelles were three-dimensional semiconductors. His theory suggests that all the structures within the cell can be considered to be in a field in which there is constant interaction between all subatomic particles, not just between the charges on electrons. <http://www.nutrienergetics.com/tech-quantum-biology.html>

121 Nicolas Copernicus BIOG2:[1473-1543] Copernicus is said to be the founder of modern astronomy. Born in Poland, he eventually was sent off to Cracow University, there to study mathematics and optics; at Bologna, canon law. Returning from his studies in Italy, Copernicus, through the influence of his uncle, was appointed as a canon in the cathedral of Frauenburg where he spent a sheltered and academic life for the rest of his days. Because of his clerical position, Copernicus moved in the highest circles of power; but a student he remained. In 1530 Copernicus completed his great work *De Revolutionibus*, which asserted that the earth rotated on its axis once daily and traveled around the sun once yearly: a fantastic concept for the times. This result was based on his astronomical investigations, which were carried on quietly and alone, without help or consultation. He made his celestial observations from a turret situated on the protective wall around the cathedral. Copernicus was in no hurry to publish his theory, though parts of his work were circulated. This was not so much because he was concerned with what the church might say about his novel theory but rather because he was a perfectionist and never thought, even after working on it for thirty years, that it was finished. Copernicus became a Canon in the Catholic church in 1497. His new system was actually first presented in the Vatican gardens in 1533 before Pope Clement VII who approved, and urged Copernicus to publish it around this time. Copernicus was never under any threat of religious persecution - and was urged to publish both by Catholic Bishop Guise, Cardinal Schonberg, and the Protestant Professor George Rheticus. Copernicus referred sometimes to God in his works, and did not see his system as in conflict with the Bible. Astronomy then was taken as a mathematical discipline which at best was a model which agreed with the phenomena. Reality about the physical world, on the other hand, was established through causal investigation in natural philosophy, not mathematics. Thus, many believed that Copernicus had not proved that heliocentrism was physically true, but that he had provided a more accurate mathematical model. Many contemporaries expected and saw the *De Revolutionibus* to be offering more accurate prediction of planetary positions through its tables, and thus better astrological predictions. The Copernican model was not entirely accurate. The planets moved in perfect circles at the same speed, an idea from Aristotle. His theory also still needed the Ptolemaic

theory of epicycles to explain the irregular (retrograde) motion of the planets.

<http://www.blupete.com/Literature/Biographies/Science/Copernicus.htm>,

<http://www.godandscience.org/apologetics/sciencefaith.html>, <http://mathsforeurope.digibel.be/Copernicus.htm>,

<http://www.hps.cam.ac.uk/starry/coperbooks.html>,

122 William Roger Corliss BIOG2:[1926- ] American physicist and writer who has become known for his interest in collecting data regarding anomalous phenomena. Arthur C. Clarke has described him as "Fort's latter-day - and much more scientific - successor." Since 1974, Corliss has published a number of works in the "Sourcebook Project". Each volume is devoted to a scientific field (archeology, astronomy, geology, et cetera) and features articles culled almost exclusively from scientific journals. Corliss was inspired by Charles Fort, who decades earlier also collected reports of unusual phenomena. Unlike Fort, Corliss offers little in the way of his own opinions or editorial comments, preferring to let the articles speak for themselves. Many of the articles in Corliss's works were earlier mentioned by Fort works.  
[http://en.wikipedia.org/wiki/William\\_R.\\_Corliss](http://en.wikipedia.org/wiki/William_R._Corliss)

123 Bruce Cornet AAGEN: geologist; lunar structures, including the "Shard" and the "Tower"

124 Philip J. Corso

125 Irena Cosic,

126 Yves Couder, models wave particle duality using silicon droplets

127 Charles August Coulomb, BIOG2:[1736-1806] Coulomb's father's family was important in the legal profession and in the administration of the Languedoc region of France, and his mother's family was also quite wealthy. In Paris he entered the Collège Mazarin, where he received a good classical grounding in language, literature, and philosophy, and he received the best available teaching in mathematics, astronomy, chemistry and botany. He used the calculus of variations to solve engineering problems. Later, he stopped working on engineering projects, and concentrated on physics. He wrote seven important treatises on electricity and magnetism which he submitted to the Académie des Sciences between 1785 and 1791. He developed a theory of attraction and repulsion between bodies of the same and opposite electrical charge. He demonstrated an inverse square law for such forces and went on to examine perfect conductors and dielectrics. He suggested that there was no perfect dielectric, proposing that every substance has a limit above which it will conduct electricity.

<http://www.thiel.edu/digitalelectronics/people/Coulomb/Charles%20de%20Coulomb.htm>.

128 Norman Cousins, IRRMND: Brought wide spread attention to the idea that If negative emotions can contribute to disease and even death, positive ones ought to improve health.

129 Francis Crick,

130 Howard C. Cross UFOS2DAY: "Research Director " for Battelle's 'memory metal' studies. Also the point person for Battelle's later studies for Project Blue Book. Cross was much more than just a metallurgist; he interfaced with the heads of the Office of Naval Research, CIA, and Air Force intelligence. Cross apparently investigated debris from a crashed object in Virginia. One might wonder why a materials engineer would later help lead Battelle's government funded UFO studies, including a questionnaire and statistical studies. Cross probably headed Project Stork, under which SR-14 was done. He authored the Pentacle memo, discovered by Jacques Vallee. The memo discusses what can and cannot be discussed with Robertson Panelists. It was dated 5 days before the Robertson Panel convened. The Pentacle memo and SR-14 indicate the subject of UFOs was serious, and concerned with scientific truth. Cross also insisted that Battelle not be identified in this work.



- 131 Lee De Forest BIOG2: [1873-1961]. An aspiring inventor spurned by Nikola Tesla. DeForest went on to develop the triode vacuum tube, which could either amplify tiny electric currents, or switch them on and off.
- 132 Antonio Damasio BIOG2: Professor of Neurology at the University of Iowa School of Medicine. The principle theme of his book *Descartes' Error: Emotion, Reason, and the Human Brain* (Avon, 1994) is that reason and emotion are closely linked, and is clearly and compellingly argued from a solid base in neuroscientific research. That theme, and a more general consideration of the relation between mind/brain and body, is accessible to anyone curious about such matters, including educators. <http://serendip.brynmawr.edu/exchange/node/1963>
- 133 Ed Dames PHENOM: RV monitor
- 134 Erik Von Daniken Author of *Chariots of the Gods*; criticized for taking images out of historical context: Jeff Kripal
- 135 Elisabeth Davenas FIELD: One of Benveniste's best lab techs, who first reported a reaction in the white blood cells to an allergen, even though there had been too few molecules of the allergen in the solution, a phenomena supporting the idea of homeopathy.
- 136 Humphrey Davey BIOG2:[1778-1829] English electrochemist who developed very large batteries. He is best remembered for his Davy safety lamp; that miners could use without igniting flammable gasses underground. In a battery, electricity is produced by two different metals with a chemical compound (electrolyte) between them. Davy discovered that when electricity is supplied to the two electrodes, the chemical compound of the electrolyte is broken down into its components. This process, electrolysis, can for example split water into hydrogen and oxygen. *Routes of Science: Electricity*: Blackbirch Press: 2004. p.13.
- 137 Richard Davidson, FOG: of U of Wisconsin, has studied the neural correlates of emotion. He demonstrated that mental exercise can sculpt a person's mental circuitry, just as weight lifting can sculpt biceps. Earlier studies showed that people with higher brain wave activity in the left prefrontal cortex reported feeling more alert, energized, enthusiastic, and joyous. People with higher brain wave activity in the right prefrontal cortex reported more worry, anxiety, and sadness. Davidson found that Buddhist meditators could, with a little focus, shift their brain wave activity to the left side of the brain.
- 138 Paul Davies, BIOG2: British theoretical physicist and cosmologist by profession, but also working in astrobiology, a field of research that seeks to understand the origin and evolution of life, and to search for life beyond Earth. Born in London, he spent most of his life in the UK before moving in 2006 to Arizona State University to establish BEYOND: Center for Fundamental Concepts in Science, which he directs. <http://cosmos.asu.edu/>. "Paul Davies is a good popularizer. He's also a good physicist. He's known mostly for his work in the area of attempts at quantum gravity, although he's not approaching exactly the same problem as either Lee Smolin or the people who do superstring theory are. He's the kind of person who takes a more pragmatic approach". -Alan Guth, MIT professor of physics [http://www.edge.org/3rd\\_culture/bios/davies.html](http://www.edge.org/3rd_culture/bios/davies.html) FIELD: With William Unruh, found that objects accelerating through the ZPF will experience heat radiation. FORBIDU: British cosmologist who has continued to explore the implications and mysteries of the anthropic principle, most famously in *God and the New Physics* (1983) and *The Mind of God* (1992), and most recently in *The Goldilocks Enigma* (2006). He is the most high profile scientific advocate of the design idea. He also believes that "mind – ie conscious awareness of the world - is not meaningless and accidental quirk of nature, but an absolutely fundamental facet of reality."
- 139 Richard Dawkins BIOG2:[1941-] According to a lengthy biography in *Wired* magazine, Richard Dawkins is a revolutionary evolutionist. "genes are selfish, the watchmaker is blind, and the mystery of life is no mystery - it's digital." The following is abstracted from that article: With *The Selfish Gene*, Dawkins offered scientists a conceptual

bridge between the reductionist imperatives of molecular biology and the taxonomies of zoology, psychology, and sociology. In other words, the metaphor of the selfish gene not only created an important context to explain human and animal behavior - it also created a framework for molecular biologists to examine the organic interactions of genes. The metaphor scaled from double helices to human interactions.... But looking at the richness and complexity of life on Earth, Dawkins freely acknowledged that an ethology of the gene alone was simply not robust enough to explain evolution. So he applied a Darwinian view of culture, as well. Dawkins argued for the concept of memes - ideas that are, to use the felicitous phrase of William Burroughs, "viruses of the mind." Memes are to cultural inheritance what genes are to biological heredity. A meme for, say, astrology, could parasitize a mind just as surely as a hookworm could infest someone's bowels. Ideas - like genes - could compete and cooperate, mutate and conserve. They, too, are operated on by natural selection. Human evolution, Dawkins postulates, is a function of a co-evolution between genes and memes.... What do genes and memes have in common? Dawkins asked. They are replicators. Through various but distinct coded systems, they reproduce; they effect change in their world so they can propagate, just like viruses in either digital or organic form. Dawkins's most powerful paradigm is that the unit of evolution is not the individual - the gene - or the meme, but the replicator. [His] ideas have proven astonishingly influential. Dawkins's book, *River Out of Eden* extends his life's work into a unified evolutionary theory arguing that all life, at its core, is a process of digital-information transfer. Dawkins's revolutionary evolutionary rhetoric has particularly inspired researchers of artificial life. Indeed, Dawkins's work has created new contexts for exploring genetic algorithms and has sensitized the growing community of artificial-life researchers to the evolutionary dynamics of their software creations. For the lengthy but interesting biography, see: [http://www.wired.com/wired/archive/3.07/dawkins.html?topic=&topic\\_set=](http://www.wired.com/wired/archive/3.07/dawkins.html?topic=&topic_set=); FORBIDU: Calls him the crusading atheist.

140 Scott Day,

141 Louis de Broglie BIOG2:[1892-1987] French theoretical physicist. Born in Dieppe and educated at the Sorbonne. He established that all subatomic particles can be described by either particle or wave equations (wave-particle duality), thus laying the foundation for wave mechanics. Awarded the 1929 Nobel prize for physics. He published the same wave equation as Schrödinger in the same year, 1926. He was a professor at the Henri Poincaré Institute from 1932-1962, and from 1946 was a senior advisor on the development of atomic energy in France. Validity of the de Broglie hypothesis has been confirmed for macromolecules, as well as molecules, atoms, and subatomic particles. "Two seemingly incompatible conceptions can each represent an aspect of the truth ... They may serve in turn to represent the facts without ever entering into direct conflict" –Louis de Broglie

142 Pierre Teilhard de Charden French Jesuit priest who believed that creation evolved from simple matter to life to consciousness as part of a divine plan.

143 Jean de Climont BIOG2: Jean de Climont, as of 2015 is the pseudonym of the members of the Trust Jean de Climont Associates Ltd, which maintains a large list of "dissidents" and publishes a Monthly Dissident's Newsletter. The objectives of the Internet pages of the Trust is to present the members' position with regard to philosophy of nature(science) and philosophy of mind.

144 Christian de Duve FORBIDU: Nobel Prize winner and one of the best known advocates of the idea of the cosmic imperative for life. In his 1995 book "Vital Dust: Life as a Cosmic Imperative", he writes: "There is hardly any room for 'lucky accidents' in the gradual, multistep process whereby life originated." This idea is consistent with the hermetic principle that the universe is potentially teeming with life.

145 Bryce De Witt TPT: Just as Schrodinger had done for ordinary quantum systems, DeWitt found a wave function for the geometry of space. Although he would soon reject this approach, he shared it with John Wheeler, who embraced it, and it became known as the Wheeler-DeWitt equation. Dismissed the idea of manipulating gravity.

146 April DeConick TSN: Author of *The Ancient New Age*, in which she demonstrates how modern sci-fi films are deeply resonant with what she calls the Gnostic spirituality of the ancient world

147 John Dee,

148 Emilio Del Giudice FIELD: With Giuliano Preparata, demonstrated mathematically that when closely packed together, atoms and molecules exhibit a collective behavior, forming what they call "coherent domains" Water molecules create "coherent domains". These single wavelengths of water molecules appear to become "informed" in the presence of other molecules; that is, they tend to polarize around any charged molecule, storing and carrying its frequency so that it may be read at a distance. This would mean water is like a tape recorder, imprinting and carrying information whether the original molecule is still there or not. The shaking of the containers appears to speed up this process. Microtubules transport water, and Del Giudice found that some water molecules in the brain are coherent, making it likely that the water inside microtubules is also coherent. They also showed that beams measured 15 nm in diameter; precisely the size of the microtubule's inner core.

149 Giovanni Pico della Mirandola FORBIDU His 'Oration on the Dignity of Man' has been called the manifesto of the Renaissance, as it reveals the era's defining characteristic, a dramatic shift in attitudes about humanity. Man suddenly became a being of wonder rather than a miserable creature blighted by original sin. Most of the traditions from which Pico drew were however not established works in physics or math, but metaphysical, mystical, and what we have come to know as occult sources. One of his favorite authorities was the pagan Hermes Trismegistus: "

150 Pat Delgado Crop Circle researcher, retired electromechanical engineer

151 Angela Dellafiora PHENOM: Remote Viewer.

152 James DeMeo BIOG2: Formally studied the Earth, atmospheric, and environmental/social sciences at Florida International University and the University of Kansas, where he earned his Ph.D. in 1986. At KU, he openly undertook graduate-level natural scientific research specifically focused upon Wilhelm Reich's controversial discoveries, subjecting those ideas to rigorous testing with positive verification of the original findings.... His published works include dozens of articles and compendiums, and several books, including *Sahasia* (1998), *The Orgone Accumulator Handbook*, *On Wilhelm Reich and Orgonomy*, and *Heretic's Notebook*.

[http://www.bibliotecapleyades.net/ciencia/ciencia\\_reich07a.htm](http://www.bibliotecapleyades.net/ciencia/ciencia_reich07a.htm) REALDE: From Ashland Oregon; is doing orgone research as of 2016. p. 53

153 Daniel Dennett,

154 Jacques Derrida,

155 Rene Descartes BIOG2:1596-1650 French philosopher and mathematician. Born in La Haye, which was renamed Descartes in his honor, south of Tours, and studied at Poitiers. He served in the army of Prince Maurice of Orange, and in 1619, while traveling through Europe, decided to apply the methods of mathematics to metaphysics and science. He settled in the Netherlands in 1628, where he was more likely to be free from interference by the Catholic church. Descartes is often credited with being the "Father of Modern Philosophy." This title is justified due both to his break with the traditional Scholastic-Aristotelian philosophy prevalent at his time and to his development and promotion of the new, mechanistic sciences. His fundamental break with Scholastic philosophy was twofold. First, Descartes thought that the Scholastics' method was prone to doubt given their reliance on sensation as the source for all knowledge. Second, he wanted to replace their final causal model of scientific explanation with [a more] mechanistic model. His philosophical theories also provide the basis for 17th century Rationalism, in that he accepted certain a priori truths (not derived from experience) and attempted to derive a philosophical system based on deduction and

“methodical doubt”. Descartes began by asking what could be known if all else were doubted. The result was the famous line COGITO ERGO SUM ("I think therefore I am"), which he took to be irrefutable proof of the existence of mind. From this he postulated the existence of God and matter. Since these “facts” cannot be discerned from sense experience, they must be “innate” For Descartes the human body and the human mind were discrete entities. The human soul, unlike the mechanical world, was something that could not be broken down. One of the most challenging questions for Cartesian dualism is that if mind and matter are so radically different, how do they interact? The principles of his philosophy were outlined in Discourse on Method 1637, Meditations on the First Philosophy 1641, and Principles of Philosophy 1644. His great work in mathematics was la Geometrie/Geometry of 1637. Although not the first to apply algebra to geometry, he was the first to apply geometry to algebra, and is regarded as the originator of analytic geometry. He was also the first to classify curves, separating ‘geometric curves’, which can be precisely expressed as an equation, from ‘mechanical curves’, which cannot. Descartes’ ideas had a profound effect on scientists. He produced 'laws of motion' that read similarly to Newton's. Interestingly, his clockwork universe involved the concept of an ether that became accepted by most physicists until the Michelson-Morley experiment of 1887. His name is also attached to the Cartesian coordinate system; the three orthogonal axes, x, y, and z, which define the commonly accepted notion of three dimensional space. INTENT: believed mind and matter are different. FORBIDU: Argued that all physical phenomena could be reduced to, and explained in, purely mechanical terms. His philosophy would ultimately lead to the divorce between the magical and scientific components of the Hermetic tradition, which was also a victory for the catholic church.

156 David Deutsch

157 Russell DeValois FIELD: With Karen DeValois, both neurophysiologists at UC Berkeley, converted simple plaid and checkerboard patterns into Fourier waves and found that the brain cells of cats and monkeys responded not to the patterns themselves, but to the interference patterns of their component waves. Their book, Spatial Vision, shows that cells in the visual system are tuned to certain frequencies..

158 Karen, Russell DeValois

159 Paul Devereaux, BIOG2: British writer who has written extensively on geographical Power Centers, especially in England and Wales. He teaches that the study of these Power Centers includes knowledge of astronomy, archeology, geomancy, folklore, geophysics, etc. He has been closely associated with the Dragon Project, which is dedicated to scientific investigation of these power centers, including the use of magnetometers. According to Danny Sullivan, all anomalies recorded at dozens of sites studied by the Dragon Project were in known energies, with the exception of unusual light phenomena encountered by two witnesses at sites close to geologic faults. These and other similar phenomena, dubbed “earth lights” [also called ‘earthquake lights’] were studied by Devereux, and reported on in the book Earth Lights Revelations, which states there is no known mechanism to explain these lights. The effect was proposed to be a plausible explanation for “UFOs” and “recreate the connection between ancient sites, Leys, and flying saucers.” <http://www.arthistory.sbc.edu/sacredplaces/devereux.html>

160 Bryce DeWitt TPT: His “trilogy” of quantum gravity. laid the foundation for joining quantum physics and general relativity. DeWitt showed it was possible to introduce quantum physics by finding an equation that can be used to find the probabilities of a given geometry of space as it evolves in time. DeWitt found a wave function for the geometry of space. Although he would soon reject this approach, he shared it with John Wheeler, who embraced it, and it became known as the Wheeler-DeWitt equation.

161 Paul Dirac, BIOG2:[1902-1984] British physicist born and educated in Bristol. Around 1925 Werner Heisenberg wrote an exploratory paper in the framework of the old quantum theory of Bohr and Sommerfeld, but

changed the equations so that they involved directly observable quantities. Dirac received a copy of this paper and his attention was drawn to a mysterious mathematical relationship, at first sight unintelligible, that Heisenberg had reached. Dirac later recognized that this mathematical form had the same structure as the Poisson Brackets that occur in the classical dynamics of particle motion. From this he quickly developed a quantum theory based on non-commuting dynamical variables. This led him to a profound general formulation of quantum mechanics that marked him out from others in the field. As a young, 25-year-old physicist he was quickly accepted by outstanding physicists. He was invited to speak at their most exclusive conferences, such as the Solvay Congress of 1927, and joined in their deliberations as an equal. With this general formulation he was able to develop his transformation theory, which showed explicitly how it was possible to relate a range of different formulations of quantum mechanics, including Schrödinger's wave equation and Heisenberg's matrix mechanics. Dirac shared the Nobel Prize in physics for 1933 with Erwin Schrödinger, "for the discovery of new productive forms of atomic theory." In 1928 he formulated the relativistic theory of the electron. This model was able to describe many quantitative aspects of the electron, including half quantum spin and magnetic moment, and also predicted the existence of the antiparticle. Dirac initially assumed that the antiparticle in his electron equation, which became known as the Dirac equation, was the proton. Openheimer argued that the antiparticle could not be a proton due to its mass of two thousand electrons, and dismissed Dirac's theory. Dirac accepted Oppenheimer's argument, but argued that there was a real antiparticle with the mass of an electron. This was later determined to be correct. [Robert Oppenheimer: A Life Inside the Center, by Ray Monk, p. 181.] He noticed that particles with half-integral spin obeyed different statistical rules from other particles, and worked out the statistics for them, now called the Fermi-Dirac statistics, because Italian physicist Enrico Fermi had done similar work. Dirac also proposed and investigated the concept of a magnetic monopole, an object not yet known empirically, as a means of bringing even greater symmetry to Maxwell's equations of electromagnetism. He quantized the gravitational field, and developed a general theory of quantum field theories with dynamical constraints, which forms the basis of the gauge theories and superstring theories of today. He is quoted in the May 1963 Scientific American as saying "A theory with mathematical beauty is more likely to be correct than an ugly one that fits some experimental data. God is a mathematician of a very high order, and He used very advanced mathematics in constructing the universe." According to Werner Heisenberg, Dirac at age 25 had little time for tolerance. "I don't know why we are talking about religion," he objected. "If we are honest—and scientists have to be—we must admit that religion is a jumble of false assertions, with no basis in reality. The very idea of God is a product of the human imagination...."

[http://nobelprize.org/nobel\\_prizes/physics/laureates/1933/](http://nobelprize.org/nobel_prizes/physics/laureates/1933/); <http://cerncourier.com/cws/article/cern/28693>;

[http://www.edge.org/3rd\\_culture/heisenberg07/heisenberg07\\_index.html](http://www.edge.org/3rd_culture/heisenberg07/heisenberg07_index.html). TPT: Despite the accuracy of predictions, Paul Dirac thought the quantum theory of particles and forces was a sham, performing a slight of hand to make infinite numbers disappear. He was convinced this was what had prevented relativity from joining in the unification of forces. Dirac's own equation, known by that name, took the first step toward unification, bringing together STR and quantum physics. P. 138. Using the Dirac equation, all physics, including quantum physics, obeys STR. It describes the quantum physical behavior of the electron, while satisfying STR. It also predicted the existence of antiparticles. It also predicts that pairs of antiparticles can pop out of and into existence. P. 139. Dirac held back from claiming positrons actually existed, until 1932, when they were detected in cosmic rays.

162 York Dobyms,

163 M. J. Donald, NPM: Proposes that our brains have several different quantum switches, beyond those proposed by Penrose, Wolf, and Eccles, and he focuses on sodium channel proteins, which are involved in the brain's neural firing.

164 Larry Dossey,

165 Larry Dossey, MD advocating alternative practices

- 166 Richard C. Doty Master Sgt. Allegedly mounted an AFOSI (Air Force Office of Special Investigations )  
disinformation campaign on Paul Bennewitz
- 167 Frank Drake
- 168 Ron Dreever,
- 169 Hubert Dreyfus, systematically questioned both the progress and the prospects of CS and AI for  
developing human intelligence
- 170 Hans Driesch BIOG2: German biologist and philosopher who cloned the first animal, a sea urchin, in the  
nineteenth century, the founder of modern vitalism. He noted the field properties of organisms based on his  
experiments with fertilized sea urchin eggs in 1892, and believed "entelechy" was a vital force undefinable in terms of  
physics and chemistry. Driesch saw clear evidence of a kind of teleology in the ability of lower organisms to rebuild their  
lost limbs and other vital parts. He used Aristotle's term "entelechy" (loosely translated as "having the final cause in") to  
describe the organism's capacity to rebuild. <http://www.informationphilosopher.com/solutions/scientists/driesch>
- 171 Hans Driesch,
- 172 Emil Du Bois-Raymond,
- 173 Marshal Dudley Crop circle researcher. found 11 radioisotopes in circle plants not present in control  
plants.
- 174 Brenda Dunne,
- 175 Wilson van Dusen SPOOK: Chief psychologist at the Mendocino State Hospital in northern California for  
many years. This was an inpatient facility for the severely mentally ill, so he spent a lot of time hearing his patients talk  
about their "others": the voices in their heads. Van Dusen tried to talk to the voices themselves, with the patient being  
the intermediary. "In this way, I could hold long dialogs with a patient's hallucinations". After interviewing twenty such  
patients, he decided that he agreed with the patients that their "others" were not hallucinations but inhabitants of a  
different order of beings. He came to this conclusion because he is a follower of Emanuel Swedenborg, and he noticed  
that his patients "others" fell into similar camps of good and evil, within the evil well outnumbering the good, and that  
they shared numerous traits with Swendenborg's entities. P. 191. He wrote his conclusions in a pamphlet called The  
Presence of Spirits in Madness.
- 176 Freeman Dyson,
- 177 Bernard J. Eastlund BIOG2:Degrees from MIT and Columbia universities. Advocate of planetary scale  
engineering projects, including weather control. In the June 1984 issue of Microwave News, he described a "full global  
shield" of accelerated electrons created with radio frequency (RF) transmitters. In 1985 he applied for patent " Method  
and Apparatus for Altering a Region in the Earth's atmosphere. Assigned to ARCO Power Technologies Inc. He applied for  
several other patents which were also assigned to APTI. These patents were the rudimentary concept of HAARP. Some  
of his work was supported by the Defense Advanced Research Projects Agency (DARPA) under the project title "Alaska  
North Slope Electric Missile Shield" The Pentagon provided hundreds of thousands of dollars to study Eastlund's initial  
claims.
- 178 Sir John Eccles, NPM: proposed quantum conscious events take place at a vesicle (thin walled sac) of  
our nervous system synapses. Eccles considers thousands of vesicles to form a group (Dendron) of dendrites. Each  
Dendron is penetrated by a psychon; a mental unit, manifest as a probability field, through which mental intention acts.

The brain's activities are also registered in the psychons and thus effect our mental state. INFINMND: After listening for many years to the higher nervous system's Morse code like sounds, he was convinced that this was not the location of consciousness. The unity of conscious experience comes from a self conscious mind, not from a neuronal mechanism of a neocortex. He ended a series of lectures at Harvard by admitting that evolutionary processes could account for the brain, but that only something transcendent could explain consciousness and thought. P. 90.

179 Sir Arthur Eddington

180 Mary Baker Eddy INFINMND: A patient of Phineas P. Quimby, who brought Frantz Mesmer's ideas to the US. Eddy founded Christian Science. P. 235

181 Thomas Edison, BIOG2:[1847-1931]. Edison provided an improved version of the electric telegraph. He also developed microphones, movie cameras, and an electric light bulb. Although he was not the inventor of the light bulb, he provided a filament which would allow the bulbs to burn for longer periods of time. In 1882, he built a prototype power plant to generate power in London, and later that year, he constructed the world's first permanent power plant on Pearl Street in New York City. Edison however, was committed to use of direct current, which was very limited in it's ability to be transmitted any distance. Routes of Science: Electricity: Blackbirch Press: 2004. p. 25

182 Ernest Eeman, BIOG2: Severely injured in an airplane crash, Eeman developed the copper "relaxation circuit. This simple arrangement provided Eeman with greater relaxation, recovery from fatigue, and better general health. He received a U.K. Patent around 1922 for his bio-circuit device. Others also seemed to benefit. In more than 35 years of practice, Eeman successfully treated hundreds of people with a wide variety of complaints, many successfully. Eeman thought these results were due to some form of electromagnetism in the body. He corresponded with J.B. Rhine, who suggested that Cecil Maby, whom he referred to as a "brilliant experimenter" who could "provide quantitative measurement of the facts". Maby used such instruments as cardiographs, pneumographs, reflexometers, and myographs, and after four years concluded there was a relaxation response. Later in his life, Eeman also confirmed that biocircuits made of silk were also effective, and from this was able to conclude that the energy providing the relaxation could not be electromagnetism. Eeman authored a number of books, including "The Subconscious Made Conscious", "Self and Superman", "How do You Sleep", and "Co-Operative Healing", which presented details of his biocircuit research. BIOCIRCUIT: Eeman found that members of a cooperative circuit were able to send and receive thoughts more easily. Eeman conducted numerous telepathy tests with receivers in and out of a biocircuit He ultimately concluded that the relaxation circuit fostered telepathic reception. P. 130.

183 Ira Einhorn HHSP: The FFG, catalyzed by Ira Einhorn and his contacts at major publishing firms, launched a new type of popular book in the 1970s: accessible books that compared striking features of modern physics with staples of the counterculture, Sometimes blurring the genres of popular books for the masses and textbooks for science students. He ultimately was sentenced to life imprisonment for murder. p. 148

184 Albert Einstein, BIOG2: [1879-1955]. Born at Ulm, in Württemberg, Germany, in 1896 he entered the Swiss Federal Polytechnic School in Zurich to be trained as a teacher in physics and mathematics. In 1901, the year he gained his diploma, he acquired Swiss citizenship and, as he was unable to find a teaching post, accepted a position as technical assistant in the Swiss Patent Office. In 1905 he published his seminal papers, and obtained his doctor's degree. After a number of false starts Einstein published, late in 1915, the definitive version of general theory. Just before publishing this work he lectured on general relativity at Göttingen and wrote: "To my great joy, I ... succeeded in convincing Hilbert and Klein." Hilbert submitted for publication, a week before Einstein completed his work, a paper which contained the correct field equations of general relativity. When British eclipse expeditions in 1919 confirmed his predictions, Einstein was idolized by the popular press. Einstein received the Nobel Prize in 1921 but not for relativity; rather for his 1905 work on the photoelectric effect. A third visit to the United States in 1932 was followed by the offer

of a post at Princeton. Einstein accepted and left Germany in December 1932 for the United States. The following month the Nazis came to power in Germany and Einstein was never to return.

[http://nobelprize.org/nobel\\_prizes/physics/laureates/1921/einstein-bio.html](http://nobelprize.org/nobel_prizes/physics/laureates/1921/einstein-bio.html); <http://www.gap-system.org/~history/Biographies/Einstein.html>;

185 Mircea Eliade Romanian historian and philosopher who pioneered the study of shamanism. COSSER: According to his book "Shamanism: Archaic Techniques of Ecstasy" the shamans' ladders were present in shamanic themes around the world. Eliade also noted that the Australian Aborigines considered that the creation of life was the work of a "cosmic personage related to universal fecundity, the Rainbow Snake."

186 John Ellis

187 David Ellis, SPOOK: Proposed to investigate the EVP phenomena as the subject of a two year Fellowship. ] Ellis's conclusions: 'There is no reason to postulate anything but natural causes- indistinct fragments of radio transmissions, mechanical noises, ad unnoticed remarks- aided by imaginative guesswork and wishful thinking, to explain the 'voice phenomenon.' Ellis's conclusions are supported by the experiments of Imants Baruss, published in the Journal of Scientific Exploration. P. 187.

188 Ralph Waldo Emerson, BIOG2:[1803-1882] Poet, philosopher, lecturer and essayist. The major spokesperson for Transcendentalism, called the third major building block of the 19th century US metaphysical world, along with Mesmerism and Swedenborgianism. Born in the Puritan New England town of Boston Massachusetts. His father was Unitarian minister William Emerson. Emerson's pilgrimage took him from Christian Orthodoxy to Unitarianism in a new vision that brought angry responses from even his most liberal colleagues. Emerson read widely, including the works of Kant, Confucious, the Neo-platonists, St Augustine, and Francis Bacon. He was especially enthusiastic about Hinduism, and the Bhagavad Gita, and created an American form of nature mysticism. He was an advocate for individualism, freedom of the human mind, and the existence of an Inner Light, or spark of god in each person. In his essay Nature, Emerson wrote "Build therefore your own world," suggesting we create our own reality. He had a profound influence on some of the most prominent figures of the 19th and 20th centuries. [<http://www.online-literature.com/emerson>] He, though the Transcendentalist movement is said to have had an enormous effect on US history, Spin offs including the Civil War and abolition of slavery, and the Women's movement.

189 Masaru Emoto, BIOG2:Author of the book "The Hidden Messages in Water", featured in the movie "What the Bleep Do We Know?". Emoto claims to have found that human thought has a direct observable effect on the structural formation of ice crystals, and that, for example, placing signs on bottles of water that expressed human emotions and ideas actually effected the crystalline structure of the water when frozen. Kristopher Setchfield has provided an online critique of Emoto's experimental procedures: "Is Masaru Emoto for real?" the link is no longer valid, but see "setchfield.htm" on this site.

190 Werner Erhard, HHSP: 1974, Fred Alan Wolf and Jack Sarfatti sat down with Werner Erhard in the lobby of the Ritz hotel in Paris. Erhard was one of the leading proponents of the "human potential movement". Erhard eventually contributed thousands of dollars to the FFG .

191 Oscar Estebany,

192 Author E Exon Brig Gen. stationed with Air Material Command at W P AFB in 1947. WITOROS: Alleges Exon was part of Foreign Technology Division; "we heard the material was coming". "everything from chemical analysis, stress tests, compression tests, ... the boys who tested it said it was very unusual." "the metal and material were unknown to anyone I talked to."... I never heard what the results were.... some thought it might be Russian ... the overall consensus was that the pieces were from space. The materials may have included titanium. He allegedly flew over the



site months later and found two crash sites, and also alleged he had been told of bodies. During the GAO investigation of Roswell in 1994-95, Exon was interviewed by congressional staff members, and found to be extremely guarded in these interviews. ROSINCON: Exon says all of his knowledge was based on rumors.

193 Richard Factor

194 Michael Faraday, BIOG2:[1791-1867] British chemist and physicist. He attended the lectures of Sir Humphry Davy and took notes. Davy later gave Faraday a job and helped him become famous. He built devices to produce what he called "electromagnetic rotation": that is, a continuous circular motion from the circular magnetic force around a wire. This has led some to credit him with the invention of the electric motor. In 1831, using his "induction ring", Faraday discovered electromagnetic induction: the "induction" or generation of electricity in a wire by means of the electromagnetic effect of a current in another wire. Note this is just the inverse of what Hans Christian Orsted had discovered. The induction ring was the first electric transformer. It was later discovered that the number of times the wires were wound was important, because a low voltage passing through a small number of turns would induce a high voltage in a coil with many turns. The induction ring was therefore the basis for the transformer, which is used today in electric power systems to step up and step down voltages to different levels. In a second series of experiments, he discovered magneto-electric induction: the production of a constant electric current (DC). To do this, he attached two wires through a sliding contact (essentially a commutator) to a copper disc. By rotating the disc between the poles of a horseshoe magnet he obtained a continuous direct current. This was the first generator. In 1846, Faraday proposed that electricity moved through conductors in waves, or what he called "ray vibrations" By 1940, Faraday was probably the most celebrated scientist in Britain. But he was never part of the scientific establishment. He had never been to a decent school, let alone a university, and was completely lacking in mathematics. See more in "Science in Transition". Routes of Science: Electricity: Blackbirch Press: 2004. p 16. <http://www.ieee-virtual-museum.org/collection/event.php?id=3456912&lid=1>; <http://inventors.about.com/library/inventors/blfaraday.htm>

195 Joseph P. Farrell BIOG2:Alternative historian who is seen to offer creative interpretations of ancient texts of mythology, "finding in them little-appreciated descriptions of ancient cultures. Likewise, his works on Nazi research offer a unique analysis of the current myths surrounding Nazi science in the Third Reich." He is best known for his Giza Death Star series. <http://www.mytholog.com/interviews/farrell.html>

196 Marilyn Ferguson BIOG2:[1938-2008] Former editor of the long popular Mind Brain Journal , which puts technical information into an easily understood format. Also author of "The Aquarian Conspiracy: Personal and Social Transformation in the 1980s".

197 Pedro Ferreira Professor of astrophysics at the University of Oxford. His areas of expertise include cosmology and general relativity. He is author of the excellent popular book "The Perfect Theory", which outlines the importance of Einstein's General Theory of Relativity and radio astronomy in the discovery of quasars and black holes, and the developments of modern cosmology. With several other physicists, he suggested in 2006 that dark matter is caused by an ether like field that pervades the universe.

198 Paul Feyerabend

199 Richard Feynman BIOG2:[1918-1988] One of the most colorful characters of modern physics. Feynman entered MIT in 1935. There was no course on quantum mechanics, so with a fellow undergraduate, T A Welton, he began to read the available texts in the spring of 1936. They tried to develop a version of space-time where (quoted from one of the letters - see [Genius : The Life and Science of Richard Feynman (New York, 1992).])... electrical phenomena [are] a result of the metric of a space in the same way that gravitational phenomena are. By 1937 Feynman was reading Paul Dirac's The principles of quantum mechanics and seeing how his highly original ideas fitted. Dirac became the scientist who Feynman most respected throughout his life. He graduated from MIT in 1939 with a B.Sc. His

doctoral work at Princeton was supervised by John Wheeler. He developed a new approach to quantum mechanics using the principle of least action. He replaced the wave model of electromagnetics of James Clerk Maxwell with a model based on particle interactions mapped into space-time. Gleick writes in [Genius : The Life and Science of Richard Feynman (New York, 1992)] "Feynman seemed to possess a frightening ease with the substance behind the equations, like Albert Einstein at the same age, like the Soviet physicist Lev Landau - but few others. " Feynman worked on the atomic bomb project at Princeton University (1941-42) and then at Los Alamos (1943-45). His first reaction had been a very definite no, but then he became frightened that Hitler might develop it first. Feynman's main contribution was to quantum mechanics, following on from the work of his doctoral thesis. He was awarded the Nobel Prize for physics in 1965, jointly with Schwinger and Tomonaga, for developing the theory of Quantum electrodynamics, a theory put forward in the 1940s which explains how electrons act in electromagnetic fields. Other work on particle spin and the theory of 'partons', as opposed to Murray Gell-Mann's theory of quarks, were fundamental in pushing forward an understanding of particle physics. [<http://www-groups.dcs.st-and.ac.uk/~history/Biographies/Feynman.html>]

200 Robert Fludd,

201 Charles Fort TSN: wrote four books between 1919 and 1932; The Book of the Damned; New Lands, Lo, and Wild Talents.

202 Michal Foucault,

203 Jean Baptiste Jo Fourier BIOG2:[1768-1830] In 1787 Fourier became firmly entangled with the Revolution and unable to withdraw. He was arrested and imprisoned several times. He feared he would be executed, but political changes resulted in him being freed. Later in 1794 Fourier was nominated to study at the École Normale in Paris. He was taught by Lagrange, Laplace, and Monge. In 1798 Fourier joined Napoleon's army in its invasion of Egypt as scientific adviser, and Napoleon continued his influence over Fourier for years. It was during his time in Grenoble that Fourier did his important mathematical work on the theory of heat. His work on the topic began around 1804 and by 1807 he had completed his important memoir On the Propagation of Heat in Solid Bodies. It was in this theory that Fourier developed expansions of functions as trigonometrical series, what we now call Fourier series. Although now very highly regarded, at the time not only his theory of heat, but also his use of trigonometric series caused controversy. <http://www-history.mcs.st-and.ac.uk/Biographies/Fourier.html>. FIELD: Developed a system of analysis for mathematically representing a physical quantity in time in the frequency domain. He first did this for canon temperature for Napoleon.

204 Mark Fox TSN: published a comparative study of modern spiritual encounters with light forms: Super Natural

205 Raul France SLPLANTS: Vienese Botanist who studied plant consciousness

206 Mads Tourdal Frandsen,

207 Rosalind Franklin

208 Sir James Frazer

209 Augustin-Jean Fresnel,

210 Sigmund Freud,

211 Allan H. Frey

212 Alexander Friedman TPT: Russian, solved E's equations, assuming matter was distributed evenly, and that the geometry of space could be described by one number. TPT P. 32. By studying how matter and the cc effected the geometry of the universe, he discovered that the overall curvature of space, evolved over time. F found that E's static case was only a special case. The general solution was that the u had to evolve, contracting or expanding, depending on whether matter or the cc played the dominant role. In 1922 Friedman published "On the curvature of space, ", which showed that both E's and se Sitters universes were special cases of a much wider range of possibilities. TPT P. 33. For months E refused to accept Friedman's results, then he accepted that F's solutions were valid, but still believed the universe was static. P. 34.

213 Herbert Fröhlich INTENT: first described Bose order in bio systems. Living energy is able to organize to one "giant" coherent state, with the highest form of quantum order known to nature. FIELD: introduced the idea that some sort of collective vibration was responsible for getting proteins to cooperate and carry out instructions of DNA. He predicted that certain frequencies (now called "Frolich frequencies") are generated in cell membranes. He had shown that once energy reaches a certain level, molecules begin to vibrate in unison, until they reach a high level of coherence. PHILSPEAT: In 1968, Frohlich, who had helped science to understand superconductors, proposed that coherent vibrations of energy are a key feature of the organization of living systems. While these vibrations have a quantum mechanical origin, they can, as in the case of superconductors and superfluids, in Frohlich's view, extend over regions of centimeters, and are the basis of all life.

214 Dennis Gabor FIELD: The First engineer to receive a Nobel prize; for his work in developing holography for image enhancement. He and Karl Pribram became convinced that perception occurred as a result of a complex reading and transforming of information. Gabor had applied Heisenberg's quantum math to work out the maximum amount that a telephone message could be compressed over the Atlantic cable. Pribram and his colleagues showed that this same math also describes the processes of the human brain. P. 84

215 Galileo Galilei BIOG2: He argued that one can test theories by conducting experiments. He discovered that one could test theories about falling bodies using an inclined plane to slow down the rate of descent. He argued against the prevailing Ptolmaic theory of the universe, in which all changes in the heavens had to occur in the lunar region close to the Earth. He used parallax arguments to prove that a New Star (now known as 'Kepler's supernova') in 1604 could not be in the sub-lunar region close to the Earth. In May 1609, Galileo received reports about a spyglass that a Dutchman had shown in Venice. From these reports, and using his own technical skills as a mathematician and as a craftsman, Galileo began to make a series of telescopes whose optical performance was much better than that of the Dutch instrument. Galileo immediately saw the commercial and military applications of his telescope (which he called a perspicillum) for ships at sea, and gave a demonstration for the Venetian Senate. By the end of 1609 Galileo had turned his telescope on the night sky and began to make remarkable discoveries. In "The Starry Messenger, published in Venice in May 1610, Galileo claimed to have seen mountains on the Moon, to have proved the Milky Way was made up of tiny stars, and to have seen four small bodies orbiting Jupiter. In 1610 he discovered that, when seen in the telescope, the planet Venus showed phases like those of the Moon, and therefore must orbit the Sun not the Earth. The cardinals of the Inquisition condemned the teachings of Copernicus, and Galileo was forbidden to hold Copernican views. In February 1632 Galileo published Dialogue Concerning the Two Chief Systems of the World - Ptolemaic and Copernican, based on approval from Florence, not Rome. It takes the form of a dialogue between Salviati, who argues for the Copernican system, and Simplicio who is an Aristotelian philosopher. The climax of the book is an argument by Salviati that the Earth moves which was based on Galileo's theory of the tides, which was entirely false. Shortly after publication the Inquisition banned its sale and found Galileo guilty of heresy. Under house arrest, he wrote Discourses and mathematical demonstrations concerning the two new sciences, which was subsequently smuggled out of Italy, and taken to Leyden in Holland where it was published. It was his most rigorous mathematical work which treated problems on impetus, moments, and centres of gravity. [<http://www-history.mcs.st-andrews.ac.uk/Biographies/Galileo.html>].

FORBIDU: His major contributions to science were in what we today would call the field of physics: motion, optics, acoustics...In astronomy, his big innovation was to improve the telescope to the point that it was good enough for astronomical observations.

216 Robert Galley French Minister of Defense:we must regard UFO phenomena with an open mind

217 Mary Galliard

218 Louigi Galvani BIOG2:[1737-1798] Professor at the University of Bologna, Italy. He did several experiments using frog legs, which showed the frog muscles react to electricity. His findings led him to believe that animals contained "animal electric fluid." In 1797 he refused to support Napoleon, and lost his job, and soon after died. Routes of Science: Electricity: Blackbirch Press: 2004. p 11.

219 Martin Gardiner

220 Martin Gardner BIOG2:founder of modern skeptic movement

221 Allen Garfinkle INFINMND: An established fractal mathematician, who in the 1990s obtained the Hunt Attractor; revealing complex patterns in the HEF.

222 Petar Gariaev AKA Pjotr Garjajev.

223 Eileen Garrett

224 Rene Maurice Gattefosse BIOG2:Gattefosse French chemist who "Rediscovered essential oils" and worked to demonstrate their therapeutic value. The basic idea is that "essential oils "contain oxygenating molecules.

225 Michael Gauquelin BIOG2:[1928-1991] Although highly critical of certain areas of astrology, Gauquelin showed interest at an early age; it is said that he could calculate a birth chart at the age of ten and earned the nickname of Nostradamus at school because of his astrological readings. After studying psychology and statistics at the Sorbonne, he devoted his life to the attempt to demonstrate the validity of certain fundamentals of astrology. However, he did not define himself as an astrologer and opposed the practice of astrology. The resulting book, Birth Times, presented studies showing a significant statistical correlation between planetary positions and time of birth of individuals with particular personality characteristics. The study showed a high correlation between celebrities births and ascendance of large close planets; parent and child will have same ascendant planet; extrovert is associated with Jupiter and Mars; Introvert associated with Saturn. Sun sign astrology failed the study. As a result of the controversy of his theories, he committed suicide in 1991. [http://en.wikipedia.org/wiki/Michel\\_Gauquelin](http://en.wikipedia.org/wiki/Michel_Gauquelin)

226 Carl Frederich Gauss

227 Richard Gauthier

228 Uri Geller

229 Murray Gell-Mann

230 Richard Gerber BIOG2:[1954-2007 ] Received his medical degree from Wayne State University School of Medicine and has devoted over 20 years of his life to furthering research and clinical applications in the pioneering field of energy based medicine. As a medical student, he asked his professors about the validity of psychic healing and therapeutic touch. Because of the disinterest in these types of phenomenon, Gerber developed his own alternative medicine curriculum alongside his traditional medical curriculum. He practices internal medicine near his home in Livonia, Michigan, and lectures throughout America. Dr. Gerber is the author of "Vibrational Medicine" (Bear and Co,

1988, 1996), which is regarded as the definitive and most in-depth survey of energetic and alternative healing methods in print. His work builds on the theoretical work of Dr William Tiller PhD. [http://www.share-international.org/archives/health-healing/hh\\_ebnewch.html](http://www.share-international.org/archives/health-healing/hh_ebnewch.html)

231 Walter Gerlach,

232 Norman Geschwind

233 William Gilbert William Gilbert [1544-1603] Published a book that explained how magnets work. He was the first to suggest that Earth behaves like a giant magnet, which is why, he reasoned, magnetic needles point north. [Routes of Science: Electricity: Blackbirch Press: 2004. p 14 ]

234 Scott Gilbert

235 Sheldon Glashow

236 Gordon Globus

237 Kurt Gödel TPT: Godel completely demolished Hilbert's idea of reducing all mathematics to a single set of axioms with his incompleteness theorem, which basically said that whatever the initial axioms are, there will always be things you cannot deduce from them: true statements that you are unable to prove. P. 76-77

238 Steven Goldman BIOG2:Teaching Company DVD set 24 Lectures: "Science Wars: What Scientists Know and How They Know It." An excellent study on the subject

239 Jeff Goldstone

240 Grazyna Gosar

241 Amit Goswami BIOG2:Born in India and raised in the Hindu tradition. He earned his doctorate from Calcutta University in 1964 in theoretical nuclear physics and has been a professor of physics at the University of Oregon since 1968. He is best known for his appearance in the movie "What the Bleep Do We Know?". "There is a revolution going on in science right now, a genuine paradigm shift. While mainstream science remains materialist, a substantial number of scientists are supporting and developing a paradigm based on the primacy of consciousness. " <http://www.dramitgoswami.com>. Dr. Goswami is one of a growing body of renegade scientists who in recent years have ventured into the domain of the spiritual in an attempt both to interpret the seemingly inexplicable findings of their experiments... and to validate their intuitions about the existence of a spiritual dimension of life. Dr. Gosswami advocates Quantum Activism, which is the idea of changing ourselves and our societies in accordance with the principles of quantum physics

242 Stephen Jay Gould FORBIDU: in 1981, he He proposed two possible explanations for the rapid ascendancy of Darwin's theory: The 'heroic' version, in which evolutionary biologists came up with the right answers through an objective evaluation of the evidence. The 'cynical' version is that the advocates of natural selection were themselves guilty of selection, by picking only the evidence that fitted the emerging consensus and dismissing the rest. We still don't know which is correct.

243 Bernard Grad INTENT: associate professor of Biology at McGill U in Montreal: discovered by infrared spectroscopy that water treated by healers had undergone a fundamental change in the bonding of O & H. The effect was similar to the way magnets effect water. Confirmed by other scientists.p.24 found that once Hungarian healer Oscar Estabony touched something, even simple fabric, it appeared to hold a charge and could be used for healing. FIELD: Studied healing using plants made "ill" with saltwater. Healers who held the salt water were able to make the plants

grow taller. A depressed patient was given regular water to hold, but this water did not allow plants to grow. Healers could also facilitate the healing, as well as slow the growth of cancer in mice. P. 185.

[<http://www.21stcenturyradio.com/orgone-mannion.htm>] : During his career at McGill University in Montreal, Dr. Grad kept his experiments with orgone energy to himself. He believed, accurately, that an open interest in Wilhelm Reich's work would end his academic scientific career.

244 Dale Graff

245 Robbie Graham TSN: author of: Silver Screen Saucers: Sorting Facts From Fiction in Hollywood's UFO Movies.

246 Zenobe Gramme BIOG2:[[http://en.wikipedia.org/wiki/Gramme\\_dynamo](http://en.wikipedia.org/wiki/Gramme_dynamo)] : Belgian/French inventor known for his (Gramme) electromagnetic dynamo, which he demonstrated before the Academy of Sciences in Paris in 1871. "The Gramme machine used a series of thirty armature coils, placed inside a revolving ring of soft iron. The coils are connected in series, and the junction between each pair is connected to a commutator on which two brushes run. The permanent magnets magnetize the soft iron ring, producing a magnetic field, which rotates around through the coils in order as the armature turns. This induces a voltage in two of the coils on opposite sides of the armature, which is picked off by the brushes. Earlier electromagnetic machines passed a magnet near the poles of one or two electromagnets, creating brief spikes or pulses of DC resulting in a transient output of low average power, rather than a constant output of high average power."

247 Pehr Granqvist

248 Martin Gray BIOG2:Anthropologist who has spent years exploring power centers. He has identified "20 distinct factors" that contribute to the energy fields at power centers. These 20 factors may be grouped into 3 broad categories: the power inherent in the earth; the power from the structures and artifacts humans have created at these sites, and the power of human intention.

249 Michael Green

250 Elmer Green FIELD: Copper Wall Project, Topeka Kansas: Showed that experienced healers generate electric fields higher than 60 volts during healing sessions.

251 Christopher Green PHENOM, REALDE, FIELD: AKA C. C. Green and Kit Green. Former CIA MD, now specializes in diagnosis and treatment of injuries caused by anomalous phenomena.

252 Steven Greer BIOG2:A lifetime member of Alpha Omega Alpha, the nation's most prestigious medical honor society. Dr. Greer is an emergency physician and former chairman of the Department of Emergency Medicine at Caldwell Memorial Hospital in North Carolina. As of 2001 he was President and CEO of Space Energy Systems Inc. On May 9, 2001, Dr. Greer presided over The Disclosure Project Press Conference from the National Press Club in Washington, DC. Over 20 military, government, intelligence, and corporate witnesses presented compelling testimony regarding the existence of advanced energy and propulsion technologies sequestered in classified government black operations projects. Dr. Greer has met with and provided briefings for senior members of government, military, and intelligence operations in the United States and around the world, including senior CIA officials, Joint Chiefs of Staff, White House staff, senior members of Congress and congressional committees, senior United Nations leadership, and diplomats and senior military officials in the United Kingdom and Europe. In June 2001, his book Disclosure: Military and Government Witnesses reveal the Greatest Secrets in Modern History was published. This book contains explosive testimony from over five dozen military, government, intelligence, and corporate witnesses on UFOs and advanced energy technology. Since that time Dr. Greer has accumulated some criticism. See

[http://www.ufowatchdog.com/greer\\_seti.html](http://www.ufowatchdog.com/greer_seti.html). Edgar Mitchell, Apollo astronaut and founder of IONS, has noted that "Steve Greer...began to overreach his data continuously" (Google this phrase).

[<http://deanradin.blogspot.com/2009/04/two-recommended-books.html>]

253 Bruce Greyson

254 John Gribbin

255 Leonard Grishuk

256 Stanislav Groff BIOG2:[<http://www.stanislavgrof.com/grofbio.htm>] : [1931-] : Groff's professional career has covered a period of over 50 years in which his primary interest has been research of the heuristic and therapeutic potential of non-ordinary states of consciousness. This includes four years of laboratory research of psychedelics - LSD, psilocybin, mescaline, and tryptamine derivatives - (1956-1960) and fourteen years of research of psychedelic psychotherapy. He spent seven of these years (1960-1967) as Principal Investigator of the psychedelic research program at the Psychiatric Research Institute in Prague, Czechoslovakia. This was followed by seven years of research of psychedelic psychotherapy in the United States. He spent five years in the position of Chief of Psychiatric Research at the Maryland Psychiatric Research Center. In this capacity he headed for several years the last surviving official research project of psychedelic therapy in the USA. From 1973 until 1987, he was Scholar-in-Residence at the Esalen Institute in Big Sur, California, where he developed jointly with his wife Christina a powerful non-drug form of self-exploration and psychotherapy called Holotropic Breathwork. He has published over 150 articles and 20 books discussing the theoretical and practical implications of modern consciousness research for psychiatry, psychology, a psychology, and psychotherapy. He has also extended the cartography of the psyche to include, besides the biographical-recollective level and the Freudian individual unconscious, two additional levels - perinatal (related to the trauma of birth) and transpersonal (including the ancestral, racial, collective, phylogenetic, karmic, and archetypal.)

257 Toby Grotz BIOG2:President, of Wireless Engineering Grotz is an electrical engineer and has 16 years experience in the field of geophysics, aerospace and industrial research and design. Mr. Grotz organized and chaired the 1984 Tesla Centennial Symposium and the 1986 International Tesla Symposium and was president of the International Tesla Society, a not for profit corporation formed as a result the first symposium. As Project Manager for Project Tesla, Mr. Grotz aided in the design and construction of a recreation of the equipment Nikola Tesla used for wireless transmission of power experiments in 1899 in Colorado Springs. Mr. Grotz received his B.S.E.E. from the University of Connecticut in 1973. [http://www.mountainman.com.au/aether\\_1.html](http://www.mountainman.com.au/aether_1.html)

258 Pierre Guerin Paris Astrophysics Institute: met with Galley on UFOs

259 G. I. Gurdjieff TSN; GNOSTIC

260 Alexander Gurwitsch BIOG2: [1874-1954] Professor of Histology at Taurida University (Now Crimean University) in Crimea from 1918-1924, asked why organs had a definite shape. He argued that chemical reactions are isotropic (the same in all directions) so chemistry can't determine shape. In his signature experiment, two onion roots were arranged at right angles to one another with the horizontal root (Inductor) pointed towards the vertical stem (Detector), with a space for either normal window glass or quartz glass plate. Gurwitsch recorded the rate of cell division (mitosis) on the detector. When window glass was placed in the space between the root and the stem no cell division occurred, whereas when the quartz glass plate was placed in the space cell division increased significantly. Gurwitsch was aware that normal window glass blocks UV rays and quartz glass plate is transparent for UV light of about 260 nm. He concluded that 260 nm UV emissions from the Inductor were stimulating increased cell division in the Detector, and that this mitogenetic radiation might regulate cell growth and differentiation. Mitogenetic radiation is now considered ultraweak photon emission from vegetation. FIELD: credited with first discovering what he called "mitogenetic

radiation" in onion roots in the 1920s. Gurwitsch postulated that a field, rather than chemicals alone, was probably responsible for the structural formation of the body. Later researchers were able to show that a weak radiation, from tissues stimulates cell growth in neighboring tissues of the same organism.

261 Alan Guth In 1980, Alan Guth came up with the essence of cosmic inflation. Rapid expansion, or inflation, would push the universe to almost instantly have no curvature, and to be very smooth. During inflation, quantum fluctuations would be stretched into the largest scales. Thus the large scale structure of the universe might yield clues that link GRT and quantum physics.

262 Scott Hagan FIELD: Hameroff, Yasue, Pribram, and Scott Hagan assembled a theory of consciousness based on energy flow through microtubules

263 Samuel Hahnemann

264 Bernie Haisch BIOG2: An active professional astronomer since earning his doctorate in 1975. He has published a respectable number of scientific papers in most of the right journals (including our favorites, Science and Nature), has been Principal Investigator on several NASA studies, has served as referee and proposal reviewer for NASA and NSF, belongs to half a dozen professional societies, has chaired international conferences, i.e. He has engaged by and large successfully in all the usual activities of a busy professional scientist. [<http://www.ufoskeptic.org/>] Haisch has also done work relating to the Zero Point Field. That said, Haisch maintains a website [<http://www.ufoskeptic.org/>] which attempts a fair assessment of the UFO phenomena, and is author of the book *The God Theory*, (San Francisco Weiser Books, 2006. 157 pp.) in which he states: "It is not matter that creates an illusion of consciousness, but consciousness that creates an illusion of matter." [<http://henry.pha.jhu.edu/haisch.html>] FIELD: Worked with Rueda and Puthoff on ZPF theory of inertia.

265 Franz Halberg associated with Harvard medical school and U of Minnesota. observed that living things keep to not only circadian rhythms, but also other periodic rhythms. In his 80's, he made his break through discovery: the synchronizer in living things resides in planets and especially the sun. the effect is called "space weather":

266 Manly Palmer Hall

267 David Halperin TSN: professional scholar of religion, an expert on Ezekiel, Jewish mysticism, and the modern UFO phenomenon.

268 Stewart Hameroff FIELD: Anesthesiologist from U of Arizona wondered about how gasses with very different chemistry could turn off consciousness: Nitrous oxide; ether; halothane; chloroform. He guessed that general anesthetics must interfere with the electrical activity within microtubules. If so, then electrical activity of microtubules must somehow be at the heart of consciousness. He found, as did Popp, that living tissue transmits photons, and that good penetration of "light" occurred in certain parts of the brain. He found a great degree of coherence between neighboring tubules, and thought that the microtubules might be "light pipes" or wave guides for the photons. Worked with Roger Penrose on Orch Or theory of consciousness.

269 William Rowan Hamilton

270 Carla Hannaford BIOG2: During an interview on the New Dimensions radio program hosted by Michael Toms, we learn that Dr. Hannaford is a biologist and educator with more than forty years teaching experience, including twenty years teaching biology at the university level. She has advised ministries and departments of education in the United States, Russia, South Africa, Singapore, and Scotland. She's the author of the bestselling book, "Smart Moves: Why Learning Is Not All In Your Head" (Great River Books, revised 2005) and is the author of "Playing in the Unified Field: Raising and Becoming Conscious, Creative Human Beings" (Great River Books 2010). Hannaford has studied the scientific



foundations of quantum physics to human biology. She says there is a big shift going on in science in the way we conventionally think of ourselves. Fundamentally, we are dynamic, boundaryless, self-organizing systems open to a unified field of information that is vibrational in nature. Everything is in flux and interconnected. When we are conscious and aware in the present moment, we can receive more subtle information from the field, respond to actual conditions more appropriately, and rewire ourselves toward greater capacity. In this interview, Dr. Hannaford stressed the importance of play, and being in the present. She also consistently mixed quantum mechanical terms with positive human action and interaction, therefore associating them, without presenting any clear justification. [<http://www.newdimensions.org/program-archive/shaping-our-reality-with-carla-hannaford-ph-d>]:

271 C. E. M. Hansel

272 Johann Hansson,

273 Nassim Hamein BIOG2: [1962-] A Swiss-born self-trained scientist who, together with physicist Elizabeth Rauscher, proposed in 2004 an amendment to Einstein's Field Equations of Gravitation, called the Hamein-Rauscher metric. The metric is described in the paper "The Origin of Spin: A consideration of Torque and Coriolis Forces in Einstein's Field Equations and Grand Unification Theory. <http://www.theresonanceproject.org/research.html#torque>. This amendment, which incorporates torque and Coriolis effects in "plasma dynamics" interacting with a "polarized geometric structured vacuum" [http://www.theresonanceproject.org/pdf/scalinglaw\\_paper.pdf](http://www.theresonanceproject.org/pdf/scalinglaw_paper.pdf), proposes the origin of spin, which is defined as a "spacetime torque." The paper makes the case that "gravitational forces with spin-like terms may be related to the strong and electroweak forces", thus providing a new unification of the four forces, otherwise called a "Theory Of Everything" (TOE). Hamein and Dr. Rauscher have also developed a "Scaling Law for Organized Matter". Hamein's 2009 paper The Schwarzschild Proton [http://theresonanceproject.org/pdf/schwarzschild\\_proton\\_a4.pdf](http://theresonanceproject.org/pdf/schwarzschild_proton_a4.pdf), won an award at the University of Liege, Belgium, during the 9th International Conference CASY'09 (Computing Anticipatory Systems) This paper presents a model in which Vacuum (Zero Point Field) energy is converted to a proton with Black Hole characteristics, such that the "Strong Force" can be seen as gravitational attraction.

274 Donna Hare SAPRO: Former employee of a NASA contractor who alleged a number of stories about NASA: Photoshopping out anomalous details from NASA mission photos; astronauts sightings of anomalous "vehicles"; destroyed photographs, etc. p. 394-5.

275 Willis Harman,

276 Michael Harner Anthropologist, widely acknowledged as the world's foremost academic and popular authority on shamanism. COSSER: Anthropologist. In the early 1960s, Harner went to the Peruvian Amazon to study the culture of the Conibo Indians. Under the strict supervision of his indigenous friends, he drank ayahuasca. After several minutes he began hallucinating, and saw that his visions emanated from "giant reptilian creatures" resting at the lowest depths of his brain. These creatures began projecting scenes in front of his eyes. The magnificence of plant and animal creation and speciation—hundreds of millions of years of activity—took place on a scale and with a vividness impossible to describe. He learned that the dragon-like creatures were inside all forms of life, including humans. Harner later noted that "dragon" and "serpent" are synonymous. "In retrospect one could say they were almost like DNA, although at that time, 1961, I knew nothing of DNA."

277 Ross G. Harrison,

278 George Hathaway Canadian electrical engineer; anti-gravity researcher and associate of John Hutchinson

279 John Hawke GHAI: The English expert pilot John Hawke, former RAF pilot, is one of only a few pilots Caidin knows who has survived two time jumps. p. 227 f

280 Ron S. Hawke PHENOM: In 1975, scientists at Laurence Livermore lab California, where research on nuclear weapons was done, determined that at close distance, Uri Geller could affect matter and materials. "The Magnetic pattern stored in the iron oxide layer of a magnetic program card was erased, wrote Ron S. Hawke, a Livermore scientist. Geller also had an effect on the Livermore scientists. Several nuclear weapons engineers reported seeing things they could not explain in their homes at night: Balls of light, a raven. One scientist saw a disincarnate human arm with a hook for a hand, rotating like a hologram at the foot of his bed. His wife saw it too. P. 180. As a result of these visions, two nuclear scientists took it as an omen and quit. " they believed they were not supposed to work on nuclear weapons anymore." Green conducted pathology tests on these scientists. No pathology was found.

281 Stephen Hawking, BIOG2: [1925-] German born psychotherapist associated with a therapeutic method best known as Family Constellations and Systemic Constellations. The process diverges from conventional forms of cognitive, behaviour and psychodynamic psychotherapy. In a single session, a Family Constellation attempts to reveal a previously unrecognized systemic dynamic that may span multiple generations in a given family and to resolve the deleterious effects of that dynamic . The process involves assignment of key family members identities to complete strangers, who follow no scripts yet respond in a way that often brings about a resolution of the issue. Practitioners claim that present day problems and difficulties may be influenced by traumas suffered in previous generations of the family, even if those affected now are unaware of the original event in the past. A theoretical foundation for this concept is called The Ancestor Syndrome in psychology.

282 Jerald Hawkins Known for his numerology study of Stonehenge, observes "ratios" in crop circle proportion

283 Oliver Heaviside BIOG2:[1850-1925] English physicist.. In 1902 he predicted the existence of an ionized layer of air in the upper atmosphere, which was originally known as the Kennelly-Heaviside layer but is now called layer E of the ionosphere. Radio waves are deflected from it, which makes possible the transmission of radio signals around the world. These would otherwise be lost into space. He added the concepts of inductance, capacitance, and impedance to electrical science. Modified Ohm's law to include inductance, from which he derived his "equation of telegraphy." Found that signal distortion in a telegraph cable could be substantially reduced by the addition of small inductance coils along its length. He also modified the interpretation of Maxwell's equations. This modification has been called "limited" as well as "expanded." Random House Webster's Dictionary of Scientists 1997 p. 223.

284 Donald O. Hebb, BIOG2:[1904 – 1985] Psychologist who developed cell-assembly theory, which laid the groundwork for neural network theory and the modern neurosciences. "Hebb posited that neural structures were formed in the brain through an action called the Hebb.synapse." [<http://www.faqs.org/abstracts/Science-and-technology/The-mind-and-Donald-O-Hebb-Meaning-and-mind-in-monkeys.html>]

285 G.W. F. Hegel,

286 Werner Heisenberg, BIOG2: [1901-1976] German physicist who developed quantum theory and formulated the Uncertainty Principle, which states that it is impossible to specify precisely both the position and momentum of a particle. In 1923 he became assistant to Max Born at Gottingen, who helped Heisenberg develop his ideas, which in 1925 were presented as matrix QM, so Heisenberg is regarded as founder of QM. Heisenberg then worked with the Danish physicist Niels Bohr in Copenhagen. He won the Nobel prize for work on QM in 1932. During WWII Heisenberg worked for the Nazis to develop nuclear fission, but his team was months behind the US atomic bomb project. He was Director of the Max Planck Institute for Physics from 1942-1970. In Werner Heisenberg's Science and Religion, we see that although having differing perspectives on religion, Heisenberg, Wolfgang Pauli, and Niels Bohr all

apparently hold a deep respect for “spiritual” frames of reference.

[http://www.edge.org/3rd\\_culture/heisenberg07/heisenberg07\\_index.html](http://www.edge.org/3rd_culture/heisenberg07/heisenberg07_index.html).

287 Bert Hellinger BIOG2: [1925-] German born psychotherapist associated with a therapeutic method best known as Family Constellations and Systemic Constellations. The process diverges from conventional forms of cognitive, behaviour and psychodynamic psychotherapy. In a single session, a Family Constellation attempts to reveal a previously unrecognized systemic dynamic that may span multiple generations in a given family and to resolve the deleterious effects of that dynamic . The process involves assignment of key family members identities to complete strangers, who follow no scripts yet respond in a way that often brings about a resolution of the issue. Practitioners claim that present day problems and difficulties may be influenced by traumas suffered in previous generations of the family, even if those affected now are unaware of the original event in the past. A theoretical foundation for this concept is called The Ancestor Syndrome in psychology.

288 Robert Helliwell BIOG2: Professor associated with the Stanford University Radio Science lab. In 1974 he showed, with John Katsufakis, that very low frequency radio waves could be used to vibrate the magnetosphere. In the Antarctic, using a 20 km antenna and a five khertz transmitter, they found that the magnetosphere can be modulated to cause high energy particles to cascade into the earth’s atmosphere. Helliwell also reported in 1975 that ELF from power lines was altering the ionosphere.

289 Paul Hellyer REALDE: Former Canadian Minister of Defense; believes Corso's claims in the book "The Day After Roswell"

290 Joseph Henry BIOG2: [1797-1878]. In 1846 he became the first director of the Smithsonian Institution, where he began to make detailed observations of the weather. He made powerful electromagnets, which could be used to make powerful electric motors, using coils of fine wire. He showed how electromagnets could be used to send information by building the first practical electrical telegraph, which was used to transmit weather forecasts.

291 Richard Conn Henry BIOG2: Joined the Johns Hopkins University Physics Department's faculty in 1968 as its first astronomer. Deputy Director of NASA's Astrophysics Division (1976 -1978) In his review of "Quantum Enigma" by Bruce Rosenblum and Fred Kuttner , he notes his interpretation of quantum mechanics, in agreement with astronomer Sir Arthur Eddington, that there is no actually existing universe at all. The universe is purely mental.

292 Kurt Hensel, NPM: Hensel first described the p-adic number system at the beginning of the 20th century.

293 Nick Herbert,

294 Heinrich Hertz BIOG2: [1857-1894]. G. F. Fitzgerald was the first to attempt to measure the length of electric waves; Herrman von Helmholtz put the problem into the hands of his favorite pupil, Hertz, Who produced electromagnetic radio waves, later called “Hertzian” in his lab, and successfully measured the wave length and frequency of these waves. He showed that radio waves could reflect (bounce off) and refract (appear to bend through things) much like light, and that they traveled at the same speed as light. He discovered that electricity could be transmitted through the air. He also documented the photo-electric effect in 1887.

295 Caroline Herzenburg BIOG2: Employee of Argonne National Laboratory who responded to Richard Williams’ critical comments on HAARP in the Journal of Physics and Society. Writing as a private individual, in 1988 and 1994, she warned that the advanced type of ionospheric heater could be used as a weapon system, and that its use might violate the Environmental Modification Convention ratified by the US in 1979. The atmosphere, ionosphere, and near earth space are included in the convention.

- 296 David Hilbert firmly believed that all of mathematics could be constructed from a handful of axioms. Kurt Godel proved him wrong
- 297 Betty and Barn Hill
- 298 Thomas Hirsch BCIRCUIT: A psychic healer, described the energy flow through copper and silk biocircuits. The copper biocircuit energy was greenish blue, and the effect more mechanical; the energy of the silk was bluish white, and seemed more "conscious". Thomas felt the silk was engaging a subtler energy. This corroborated the authors observation that copper is good for mechanical obstructions, while silk is the choice for conscious work. P. 60.
- 299 Mae-Wan Ho, BIOG2: [1941-2016] Received a Ph. D. in Biochemistry in 1967 from Hong Kong University, and was Postdoctoral Fellow in Biochemical Genetics, at UC San Diego from 1968 to 1972. During that time, she won a competitive Fellowship of the US National Genetics Foundation, which took her to London University UK. A long-time critic of neo-Darwinism and genetic engineering and pioneer of a "physics of organisms," she was one of the most influential and widely sought-after speakers in the new paradigm of organic science. She was Director and co-founder of the Institute of Science in Society, and has written more than 500 papers and a dozen books spanning several disciplines. The books include The Rainbow and the Worm, the Physics of Organisms (1993, 1998, 2008), Genetic Engineering Dream or Nightmare? (1998, 1999, 2008), Living with the Fluid Genome (2003), Unravelling AIDS (2005), Which Energy? (2006), Food Futures Now, Organic, Sustainable, Fossil Fuel Free (2008), and Green Energies (2009)
- 300 Richard C. Hoagland
- 301 Douglas Hofstadter, With his Fluid Analogies Research Group (FARG) has pursued a radically different and highly innovative approach to analogy that is rooted in "microdomains" such as letter string problems rather than "macro-domains" or high level analogies. Hofstadter and FARG have provided important psychological and computational insights, as well as critiques of their competitors, including SME and ACME
- 302 Craig Hogan,
- 303 Judith Hooper
- 304 William Hooper, BIOG2: [-1971]: In the late 1960's, Hooper had been showing that not all electrical fields are the same. What he called a "motional" electrical field results in a force that can pass through lead, ie. It is unshieldable. [Angels Don't Play This HAARP Earthpulse Press 1995 p. 14] This is in contrast to the well know electrostatic fields. He holds a US patent on the "All Electric Motional Field Generator." The motional electric field is not convergent, but uniformly vertical.
- 305 Budd Hopkins
- 306 Stacy Horn
- 307 Paul Horowitz OUTTHERE: Harvard physics professor who became hooked on the SETI concept. He designed and built the most advanced ultranarrowband signal detector ever built, and it was portable, able to be connected to any radio telescope in the world. He called it suitcase SETI. In 1982, Horowitz took his system to Arecibo in Puerto Rico, and spent 75 scope hours examining 20 stars, but found nothing. But he showed that sophisticated narrowband searches could be done on a Radio Shack budget.
- 308 D.L. Hotson
- 309 Jack Houck REALDE: Boeing Aerospace engineer who has explored various anomalous phenomena "Reality Denied"

310 Fred Hoyle TPT: Inspired by Eddington's Internal Constitution of Stars, Hoyle's later work would be key in understanding how the processes in stars would lead to heavier elements. Using Hubble's constant, and winding back the clock to the time of the "big bang", we get that the universe is about a billion years old. However, radioactive dating in the 1920s showed the earth to be over 2 billion years old, Star clusters appeared to be many billions of years old. This troubled Hoyle, Bondi, and Gold. They were also troubled by the idea that at some early time the whole of space and matter is infinitely concentrated at one point. How could something arise from nothing? They postulated the steady state universe, which has been largely discredited by the scientific community.

311 Barbara Marx Hubbard BIOG2: [1929-]. A leading visionary thinker, Barbara Marx Hubbard had dedicated herself to the task of creating a livable future since the destruction of Hiroshima and Nagasaki in 1945. She suggests that we are in a unique evolutionary phase in which the universe is coming to understand itself through the vehicle of human consciousness. She argues that the spiritual attainments of the great religious founders and avatars are now becoming available to masses of people. She suggests that, in the future, we will learn how to naturally rejuvenate and heal our bodies. We will build societies based on co-creation rather than procreation. Barbara Marx Hubbard is a co-founder of the World Future Society and is President of the Foundation for Conscious Evolution. She is author of *The Hunger of Eve*, *The Revelation: Our Crisis is a Birth*, *The Evolutionary Journey* and *Conscious Evolution*, and the DVD series *Humanity Ascending*.

312 Edwin Hubble, TPT: He had used the method of Cepheid variables to deduce the distance to the Andromeda nebula, nearly a million light years, establishing that in fact it was a separate galaxy. He heard about de Sitter's model and how Slipher's measurements agreed with the theory that redshift meant expanding space. Although Georges Lemaitre had already figured out the red shift meant an expanding universe, scientists paid attention when Hubble said the same thing, and got credit for "discovering" the significance of the red shift.

313 Alexander von Humboldt,

314 David Hume,

315 Valerie Hunt, INFINMND: Taught at Columbia U, U of Iowa, and UCLA where she studied skilled and pathological muscular activity, movement behavior, and neuromuscular patterns of emotion. P. 10. Hunt's lab at UCLA was the first to study extremely high frequency (EHF) electrical fields in the human body. Dr. Hunt found that the human energy field may respond to external stimulation before the body is aware of it, and can reflect illness before it appears in the body. Energy field size decreases with exposure to positive ions, and increases with exposure to negative ions. Data recordings showed that specific time domain waveforms were consistently associated with aura readers' calls of specific colors: Blue, yellow, green, orange, purple, and white. Three seconds of electromyographic data from human muscle cross plotted with it self with one frame delay to form a strange attractor bearing her name: The Hunt attractor. The ovoid phase plane has undulating "crinkles" superimposed on it which suggests subtle organization, great complexity, and therefore great information content, at the "Edge of Chaos." She is an advocate of the concept that health is an active flow of complex information within the body, while illness is a breakdown of that flow. See "Infinite Mind: Science of the Human Vibrations of Consciousness".

316 Peter Hurkos

317 Edmund Husserl,

318 Jean Houston BIOG2: Scholar, philosopher and researcher in human capacities; one of the principal founders of the Human Potential Movement. In 1965, along with her husband Dr. Robert Masters, Dr. Houston founded The Foundation for Mind Research. She is also the founder and principal teacher since 1982 of the Mystery School, a school

of human development, a program of cross-cultural, mythic and spiritual studies, dedicated to teaching history, philosophy, the New Physics, psychology, anthropology, myth and the many dimensions of human potential.

319 John Hutchinson BIOG2: Canadian inventor said to have discovered an anomalous antigravity effect, called the Hutchinson Effect, while working with Tesla longitudinal waves ( Tesla coils) in 1979.

320 Aldous Huxley BIOG2: [1894 –1963] British author. Born into a family that included some of the most distinguished members of the English intellectual elite. His father was the son of Thomas Henry Huxley; his mother was the sister of Mrs. Humphrey Ward, the novelist; the niece of Matthew Arnold, the poet; and the granddaughter of Thomas Arnold, a famous educator. Author of “Utopia” and “Brave New World” . In his book “The Doors of Perception”, he proposed that the brain is a ‘reducing valve’. He suggested that all around us is the Mind at Large, (an information field) which comprises everything; all reality, all ideas, all images. The brain narrows that information to a small trickle. AQCON: At the zenith of his career Huxley was “at the hub of an international network of intellectuals, artists, and scientists interested in the notion of transcendence and transformation. Many of Huxley’s interests were so advanced that they did not come into their own until after his death, including consciousness research, decentralization in government & economy, paranormal healing, altered states, and acupuncture.”

321 Thomas Henry Huxley, BIOG2: Biologist who helped develop the theory of evolution.

322 Christian Huygens,

323 Ray Hyman a founding director of CSICOP (now CSI).

324 J. Allen Hynek US astronomer and professor; expert and USAF consultant of UFOs; he began as a skeptic and eventually became a believer. UFOS2DAY: With Jacques Vallee, Ted Phillips, and astronaut Gordon Cooper, Was invited, and accepted an invitation to meet with the Secretary-General at the UN in New York. UFOS2DAY say this happened in 1994, but Hynek died in 1986.

325 Victor Inyushin HANDSOL: At Kazakh University in Russia has done extensive research with the HEF since the 1950s. using the results of his experiments, he suggests the existence of a “bioplasmic” energy field composed of ions, free photons, and free electrons. Since this is a state different than the four known states of matter –solids, liquids, gasses, and plasmas- he suggests the bioplasmic energy field is a fifth state of matter. There appears to be a balance of positive and negative particles for health. P. 20

326 Ernest Ising

327 Annie Jacobsen

328 Theodore Jacobson

329 Robert Jahn BIOG2: According to Princeton University, as of 2009 “Professor Jahn is Dean Emeritus of the School of Engineering and Applied Science. He is a Fellow of the American Physical Society and of the American Institute of Aeronautics and Astronautics, and has been chairman of the AIAA Electric Propulsion Technical Committee, associate editor of the AIAA Journal, and a member of the NASA Space Science and Technology Advisory Committee. He is vice President of the Society for Scientific Exploration and Chairman of the Board of the International Consciousness Research Laboratories consortium. He has been a long-term member of the Board of Directors of Hercules, Inc. and chairman of its Technology Committee, and a member and chairman of the Board of Trustees of Associated Universities, Inc. He has received the Curtis W. McGraw Research Award of the American Society of Engineering Education and an honorary Doctor of Science degree from Andhra University. “ Jahn published the book “Margins of Reality” in 1986, and according to New Scientist, he was demoted from dean of the engineering faculty to an associate professorship. FIELD:

Dean of Engineering at Princeton, developed a solid research program to show that test subjects were able to effect the behavior of REGs. Ie; psychokinesis; P. 111 f; He set up a small program, the Princeton Engineering Anomalies Research (PEAR), and hired Brenda Dunne, a developmental psychologist, who had conducted and validated a number of experiments in clairvoyance. P. 112. Also did remote viewing research.

330 William James, His book *The Varieties of Religious Experience* remains the starting point for a discussion of mystical experience. He subscribes to the transmission model of consciousness, where the brain acts as a filter.

331 Karl Jansen, SPOOK: London psychiatrist and ketamine (LSD) authority Karl Jansen, used to believe that since LSD can produce NDEs, this meant that surgical or cardiac arrest patient's NDEs were similarly hallucinogenic. He has of late changed his mind. "The fact that NDEs can be artificially induced does not imply that the spontaneously occurring NDE is 'unreal' in some way." Writes Jansen in his book *Ketamine*. "it has been suggested that both may involve a 'retuning' of the brain". So, it may be possible to preview death by taking ketamine, which is what both Timothy Leary and John Lilly did. P. 284.

332 Karl Jansky BIOG2: Working for Bell Labs, discovered radio waves emanating from the Milky Way, in about 1930. This discovery would lead to the radio telescope and radio astronomy.

333 Julian Jaynes, Princeton University psychologist and author of "The Origin of Consciousness in the Breakdown of the Bicameral Mind" This hypothesis is generally not accepted by mainstream psychologists.

334 Stanley Jeffers,

335 Mari Jibu

336 Phillip Johnson BIOG2: [1940- ] Professor of Law. Became a born-again Christian while a tenured professor and is considered the father of the Intelligent Design movement, through his book "Darwin on Trial". His seminal book rejects "Darwinism" and "scientific materialism".

337 William Joines,

338 Brian Josephson, HHSP: While a grad student at Cambridge in the early 60s, he published a short paper on electrical currents that might "tunnel between a thin slice of ordinary metal sandwiched between two superconductors". Experiment confirmed the predicted effect within months, and the "Josephson junction" earned him a Nobel prize at age 33. Today such supersensitive junctions are hardwired into many high tech pieces of hardware. By the time he received his Nobel prize however, his research had turned to Eastern mysticism, the nature of consciousness, and psi phenomena. He has spoken at conferences on psi alongside Puthoff, Targ, Rauscher and others. Josephson's passion for the topic has not waivered, and he directs a "mind-matter unification" project st Cambridge. p. 172f

339 James Prescott Joule BIOG2: [1818-1889]. A wealthy man, Joule funded his own research. In the mid nineteenth century Joule proved that electricity is a type of energy. Around 1940 he showed how the resistance of an electric circuit could be used to turn a certain amount of electrical energy into an equal amount of heat energy. He showed that one form of energy can be converted into exactly the same amount of a different type of energy, the principle which became known as the Conservation of Energy. *Routes of Science: Electricity*: Blackbirch Press: 2004. p. 21

340 Carl Jung BIOG2: [1875-1961] Swiss Psychiatrist; student of Freud, and founder of Analytic Psychology. Jung was psychically sensitive, believed in reincarnation, and became interested in mythology. At age 4, he had a terrifying phallic dream which stayed with him for the rest of his life. He taught that because of our lack of awareness,

we can no longer depend on the gods, because we have driven them out of our forests, mountains, and rivers. We have lost our connection with nature and ourselves, and what we call "progress" has caused great suffering. The masses lack psychic cohesion. Developed the concept of introvert and extrovert, and the concept of archetypes and the collective unconscious, by which is meant that each person has access to knowledge (via the collective unconscious) which he did not personally learn. NPM: Jung's concepts of synchronicity are brought into a framework of physics and the mind through mechanisms of emergence of nonlocal information in the brain and through connections between the mind and the collapse of the quantum wave function.

341 Joachim Jungius,

342 Waldemar Kaempffert scientist, a member of the American Society for Psychical Research

343 Walter Kaempffert,

344 Menas Kafatos NPM: With Robert Nadeau, wrote "The Conscious Universe". Kafatos and Nadeau apply the complementarity principle to view the probabilistic Quantum event (collapse of the wave function) and the deterministic quantum event (Schrodinger time evolution) as two sides of the same coin, and see as a result a central role for consciousness.

345 David Kaiser, theoretical physics and history of science. Author of How the Hippies Saved Physics

346 Theodor Kaluza

347 Gordon Kane,

348 Immanuel Kant,

349 Schafica Karagulla HANDSOL: MD (A Los Angeles-based psychiatrist who became fascinated with brain states and consciousness. ) She correlated visual observations made by sensitives to physical disorders. She also correlated chakra disturbances with illness. ( In her book, Breakthrough to Creativity, she wrote about how each person could access higher states of awareness. She also founded the Sense Perception Research Foundation, apparently no longer active)p. 32

350 Michio Kaku, US theoretical physicist, futurist, and popularizer of science.

351 Steven Katz, The theory of constructivism was formulated by Katz. This position holds that there are no pure (ie unmediated) mystical experiences. The experience itself as well as the form in which it is reported is shaped by concepts which the mystic brings to the experience. in this view, a Christian mystic will have a Christian experience; a Taoist will have a Taoist experience. There can therefore be no universal core of mystical experience independent of culture.

352 Stuart Kauffman MD and complexity theorist, believes complexity is not a point, but rather a spectrum, and that chaos is a subset of complexity, between order and randomness.

353 George Keegan, ADPTH: Military General. Particle beam weaponry was such a high level secret that president Jimmy Carter " was screened from vital technical developments by the ... CIA and DIA". P. 17.

354 Lynn Keegan,

355 John Keel UFO researcher; author of UFOs: Operation Trojan Horse (1970)



356 Edward Kelly Professor of Research in the Division of Perceptual Studies at the University of Virginia School of Medicine, is lead author of the book "Irreducible Mind: Toward a Psychology for the 21st Century". Kelly and the book's contributors support Frederic William Henry Myers view that the mind is not generated by the brain but is instead limited and constrained by it.

357 Johann Kepler, BIOG2: Using Brahe's data, he developed his laws of planetary motion and published them in 1609 and 1619:FORBIDU: As Copernicus, he believed that a greater understanding of the movements of the heavenly bodies would improve the accuracy not only of astronomy but also its esoteric twin, astrology. He ... believed that the planets, including the Earth, are living entities with their own world souls and that the seat of the anima mundi is in the sun. p. 36

358 Roy Kerr TPT: Made Swarzschild's solution to General relativity in reference to black holes more general, more real, and more useful to astrophysicists.

359 Donald Keyhoe, AA: Author of several books, including Flying Saucer Conspiracy (1955); and Aliens From Space, he was a leading advocate of the theory that the govt and military were hiding the truth. He was elected to the most successful public UFO club: NICAP. He assembled an impressive board including Hillenkoetter, former BB officer Fournet, Aircraft Owners and Pilots Ass. President J. B. Hartranft, Canadian Department of Transport engineer Wilbert B. Smith, radio commentator Frank Edwards, and a slew of ranking military officers and scientists. Keyhoe sought public hearings on the subject. His contact with Senator John McClelland's Senate Subcommittee on Investigations was well received and hearings appeared imminent. However, after a Jan 1958 meeting with the AF, McClelland's subcommittee chief council advised NICAP to drop the matter, and they did.

360 William Kilner HANDSOL: In 1911, Kilner, a medical doctor, reported on his studies of the Human Energy Field as seen through colored screens and filters. He described having seen glowing mist around the whole body in three zones: a) a quarter-inch dark layer closest to the skin, surrounded by b) a more vaporous layer an inch wide streaming perpendicularly from the body, and c) somewhat further out, a delicate exterior luminosity with indefinite contours about 6 inches across. Kilner found that the appearance of the «aura» (as he called it) differs considerably from subject to subject depending on age, sex, mental ability and health. Certain diseases showed as patches or irregularities in the aura, which led Kilner to develop a system of diagnosis on the basis of the color, texture, volume and general appearance of the envelope. Some diseases he diagnosed in this way were liver infection, tumors, appendicitis, epilepsy and psychological disturbances like hysteria. P. 31

361 Jaegwon Kim, Regarded as a leading advocate of a hardcore materialist perspective of mind, has backed away from a fully reductionist approach (Kim, 2005 and 2006)

362 Bonghan Kim, vo\_hef\_electromagnetic models.doc: Surgeon, claimed to have discovered anatomically distinctive corpuscle like tissues at the acupoints, and threadlike ducts at the meridians of human skin. He traced the ducts, now called Bonghan ducts, and found they formed a circulatory network throughout the body. This corpuscle and duct system is gaining more credibility with independent research findings, providing an anatomical basis for the acupoint and meridian system. Bonghan ducts appear to supply the channels in the connective tissue with DNA granules inside, connecting acupoints in the skin to internal organs. As the narrow channels form a network of tubes with light sources, they can become an optical (fiber optic) channel which can produce a coherent photon state

363 Dan Kimball Secretary of the Navy. About the time of Project Blue Book, had a UFO encounter on a flight to Hawaii. After reporting it to the AF, and being stone walled by them, he ordered the Navy to begin a parallel investigation. With the election of Eisenhower, Kimball lost strength in his effort to break up ufo censorship.

364 Pam Kircher,

365 Semyon David Kirlian BIOG2: [1898-1978]: Russian inventor and researcher who discovered in 1939 that photographing living things that had been exposed to a pulsed EM field would capture an "aura." When any conductive object is placed on a plate made of insulating material, like glass, and exposed to high voltage, high freq electricity, a low current results that creates a "corona discharge" that can be captured on film. The process is called Kirlian Photography. Although Kirlian and spiritualists attributed the corona to a life force aura, mainstream science now attributes it to water vapor which has been ionized by the electric current.

366 John Kitkoski INFINMND: analyzed patterns of minerals, vitamins, and blood proteins. He then cured animals, then humans, by balancing blood chemistry. His organization is Life Balances in Spokane WA., and has prepared manuals and training sessions.

367 Philip Klass UFO debunker associated with CISCOP

368 David Klein,

369 Oscar Klein,

370 Arthur Koestler,

371 Andrey Kolmogorov

372 Konstantin Korotkov FIELD: A professor of quantum physics at St. Petersburg State Technical University in Russia, he became intrigued by Kirlian's claim of capturing life energy on film. He developed a "Gas Discharge Visualization" (GDV) technique, that made use of state of the art optics, digitized TV matrices, and a computer. Ordinarily, a living thing will emit photons perceptible only to the most sensitive instruments in pitch black. He got the idea of stimulating these photons so they would shine millions of times more intensively than normal. He has written five books on the human bio field. His equipment became widely used in Russia, the NIH funded work on the "biofield" using his equipment, and most recently he and his machine have developed a large following internationally. Being interested in emotion and consciousness, Korotkov verified Clive Backster's work with plants 40 years later with state of the art equipment. p. 45-46. Korotkov and his GDV system have now achieved a large following among medical and health science professionals internationally.

373 John Kraus

374 Dolores Krieger, BIOG2: A prominent professor of nursing at the New York University Division of Nursing, conceived of therapeutic touch as a healing technique in the early 1970s and introduced the therapy in 1972. The practitioner focuses positive energy through their hands, which are placed two to three inches away from the patient, and directs it towards the patient's energy field. Krieger developed the technique along with a colleague, Dora Kunz. They initially taught the system to graduate students at the nursing school, and it evolved from that basis. Since the introduction of therapeutic touch, Krieger and Kunz have traveled the world, teaching the technique to an estimated 70,000 nurses. Krieger became embroiled in controversy over the potential benefits of therapeutic touch technique between 1996-98, when a nine-year-old schoolgirl challenged the validity of the therapy by showing that only 44% of healers were able to detect her energy field. Krieger (correctly) disputed the relevancy of this experiment. PSNWM: This can be supported by the simple observation that physiological effects can occur from a number of sources without conscious awareness. For example, negative physiological effects can occur from low level nuclear radiation without the subject being aware of it.

375 Jeffrey J. Kripal Historian of religions; co authored The Super Natural with Whitley Strieber

376 Stanley Krippner BIOG2: As a leader in the transpersonal psychology movement, Krippner is co-author of numerous books, including "Extraordinary Dreams" (SUNY, 2002), "The Mythic Path", 3rd ed. (Energy Psychology Press, 2006), and "Haunted by Combat: Understanding PTSD in War Veterans" (Greenwood, 2007), and co-editor of "Healing Tales" (Puente, 2007), "Healing Stories" (Puente, 2007), "The Psychological Impact of War on Civilians: An International Perspective" (Greenwood, 2003), "Varieties of Anomalous Experience: Examining the Scientific Evidence" (APA, 2000). He has conducted workshops and seminars on dreams and/or hypnosis internationally, and has given invited addresses for the Chinese Academy of Sciences, the Russian Academy of Pedagogical Sciences, and the School for Diplomatic Studies, Montevideo, Uruguay. One of the better known demonstrations of telepathy in dreams was conducted by Krippner and others from 1962-74 at the Dream Laboratory of the Maimonides Medical Center in Brooklyn NY. FIELD: Worked with Montague Ullman at Maimonides Medical Center in Brooklyn in the late 1960's to see if thoughts could be incorporated in dreams, A statistical analysis resulted in a success rate of 84 %.

377 Elisabeth Kubler-Ross [1926-2004] Swiss American psychiatrist, a pioneer in near-death studies and the author of the book "On Death and Dying", which introduces her theory of the five stages of grief: denial, anger, bargaining, depression and acceptance.

378 Thomas Samue Kuhn, [1922-1996] One of the most influential philosophers of science of the twentieth century—his book "The Structure of Scientific Revolutions" is one of the most cited academic books of all time. His contribution to the philosophy science marked not only a break with several key positivist doctrines but also inaugurated a new style of philosophy of science that brought it much closer to the history of science. His account of the development of science held that science enjoys periods of stable growth punctuated by revisionary revolutions, to which he added the controversial 'incommensurability thesis', that theories from differing periods suffer from certain deep failures of comparability.[<http://plato.stanford.edu/entries/thomas-kuhn>] He argued that scientists are not the freethinking and objective investigators they fancy themselves. Rather, they tend to assimilate what they have been taught and work on solving problems within an accepted paradigm. Normal science, Kuhn observed, "often suppresses fundamental novelties because they are necessarily subversive of its basic commitments". Data that is produced by scientists that challenge the prevailing consensus is often dismissed as simply wrong. Eventually, the dissonance between prevailing and new may become so great that a paradigm shift occurs. [Fingerprints of God by Barbara Bradley Hagerty, Riverhead Books 2009 ]

379 Dora Kunz HANDSOL: President of the American section of the Theosophical Society. Worked for many years with the medical profession as a gifted healer.

380 Raymond Kurzweil BIOG2: [1948-] American author, inventor, and futurist. Aside from futurology, he is involved in fields such as optical character recognition (OCR), text-to-speech synthesis, speech recognition technology, and electronic keyboard instruments. He is the author of several books on health, artificial intelligence (AI), transhumanism, the technological singularity, and futurism. Kurzweil is generally recognized as a public advocate for the futurist and transhumanist movements, due to his stances on life extension technologies, his efforts to forecast future advances in technology, and his interest in the concept of the technological singularity. His book "The Singularity Is Near: When Humans Transcend Biology" is a 2005 update of his 1999 book "The Age of Spiritual Machines" and his 1990 book "The Age of Intelligent Machines". In "Singularity", Kurzweil attempts to give a glimpse of what awaits us in the near future. He proposes a coming technological singularity, and how we would thus be able to augment our bodies and minds with technology. He describes the singularity as resulting from a combination of three important technologies of the 21st century: genetics, nanotechnology, and robotics (including artificial intelligence). His ideas have attracted significant criticism from scientists and thinkers. [http://en.wikipedia.org/wiki/Ray\\_Kurzweil](http://en.wikipedia.org/wiki/Ray_Kurzweil)

381 Theodor Kuzala TPT: When Einstein arrived at Princeton from Europe, he focused on a "grand unified theory" for 30 years. One of his attempts extended space time into 5 dimensions. The extra space dimension would play

the role of the EM field. The idea of a 5-D universe came from Theodor Kaluza and Oscar Klein. Together they had worked out in detail how these 5 –D spacetimes could mimic electromagnetism almost perfectly. These universes had a strange form of matter, an infinite variety of particles with a wide range of masses that warp spacetime. E eventually gave up on these, but the KK theories returned in the 1970s when the idea of a unified field took hold of physics. P. 73-74.

382 Stephen LaBerge BIOG2: Stanford University Author of "Lucid Dreaming".

383 Joseph Louis Lagrange,

384 Ronald D. Laing BIOG2: [1927-1989]: Scottish psychiatrist who saw psychosis in positive terms. In books such as "The Politics of Experience" (1967), he asserts that insanity can be seen as a sane response to an insane society.

385 Roger Lair TSN podiatrist from California, claimed to have removed small metallic objects encased in epidermal tissue from people who claimed alien contact.

386 Georges Lakhovsky BIOG2: Russian engineer conversant with both physics and biology. Showed that recorded sunspot activity paralleled magnetic disturbances and auroras on earth. His fundamental scientific principle was that every living thing emits radiation.

387 Dalai Lama,

388 Willis Lamb BIOG2: He received his doctorate from the University of California at Berkeley in 1938 and joined the Columbia University physics faculty that same year. From 1943 to 1951, he worked with the Columbia University Radiation Laboratory, where his research focused on how to make shorter, higher-frequency microwave sources for radar. The result was his discovery of "the Lamb shift", for which he became the 1955 Nobel Prize winner in physics. FIELD: Discovered that Zero-point fluctuations cause electrons to move a bit in their orbits, leading to shifts in frequency of about 1000 megahz; Called the Lamb Shift. This in turn led to the development of radar.

389 Lev Landau

390 Lincoln LaPaz WITOROS: According to Master Sergeant William Rickett, LaPaz concluded the an extraterrestrial craft had crashed at Roswell. ROSINCON: Official reports indicate LaPaz only investigated meteors and possible meteorites (green fireballs)

391 Karl Lashley,

392 Ervin Laszlo, BIOG2: Author or editor of sixty-nine books translated into as many as nineteen languages, and has over four hundred articles and research papers and six volumes of piano recordings to his credit. He serves as editor of the monthly World Futures: The Journal of General Evolution and of its associated General Evolution Studies book series. Laszlo is generally recognized as the founder of systems philosophy and general evolution theory, serving as founder-director of the General Evolution Research Group and as past president of the International Society for the Systems Sciences. His book "Science and the Akashic Field" has been called a "theory of everything". FIELD: Futurist who proposes the ZPF is identical to the Akashic Records; and provides the holographic blueprint of the universe for all time. Scientists, including Laszlo, argue that the brain is just the retrieval and read out mechanism of the ultimate storage mechanism, the ZPF

393 Paul A LaViolette Author of "Secrets of Antigravity Propulsion: Tesla, UFOs, and Classified Aerospace Technology ". A researcher who thinks outside the box, his Starburst foundation is affiliated with many universities.

394 L. George Lawrence SLPLANTS: celestial vegetal sensor; borderlandsciences.org: Extraterrestrial Biological Communications and Biodynamic Remote Sensing

395 Robert Scott Lazar SAPRO: controversial former employee at Los Alamos National Lab, who claims to have broken his vows of secrecy and began describing his experiences to friends. He has now lectured at many UFO conferences. Considering the large number of contradictions in his story, and many statements he has made which indicate a substantial lack of knowledge of physics, many distrust him. However, the gravity wave technology he refers to comes sufficiently close to the field propulsion ideas reportedly developed in other military projects that it will be discussed here, even though it may just be disinformation. P 283-284.

396 Charles Leadbeater,

397 David Leary,

398 Timothy Leary,

399 Benjamin Lee

400 Gottfried Leibniz, 1646 –1716 Vies with his exact contemporary, Isaac Newton, for the title of the century's greatest intellect. Although both invented calculus independently, it was Leibniz notation that won out. FORBIDU: His output covered every conceivable field of his day, from linguistics through engineering to biology, his mind leaping chaotically from subject to subject. ...he was heavily rumored to be at the very least a Rosicrucian sympathizer. He practiced as an alchemist, and his later works reveal a deep familiarity with the Rosicrucian manifestos. He realized that the mechanistic approach was limited; the ultimate reasons for mechanism could only be found in metaphysics.

401 Georges Lemaitre Just like Friedman, he stumbled upon the evolving universe. Rederived de Sitters model and found Slipher's observations agreed with the model. He wrote up the results, showing that the universe was expanding, but found that his work was completely ignored by relativists, and dismissed by Einstein.

402 George Leonard wrote : "Somebody Else is on the Moon", 1977. discusses more than 2 dozen NASA photos

403 Lawrence LeShan HANDSOL: from testing clairvoyants, he has defined two times: normal linear time and clairvoyant time (CT). CV time is similar to Great Time, which can only be experienced in a flow, as in viewing Clairvoyantly.

404 W. C. Levengood crop Circle researcher, PhD

405 Claude Lévi-Strauss Anthropologist

406 John Lilly BIOG2: [1915 – 2001] A pioneer researcher into the nature of consciousness using as his principal tools the isolation tank, dolphin communication, and psychedelic drugs, sometimes in combination. He was a prominent member of the Californian counterculture of scientists, mystics and thinkers that arose in the late 1960s and early 70s. Albert Hofmann, Gregory Bateson, Ram Dass, Timothy Leary, Werner Erhard, and Richard Feynman were all frequent visitors to his home. Lilly was a qualified physician and psychoanalyst. He made contributions in the fields of biophysics, neurophysiology, electronics, computer science, and neuroanatomy. He invented and promoted the use of the isolation tank as a means of sensory deprivation. He was also a pioneer in attempting interspecies communication between humans and dolphins. He delved into what mainstream science considers fringe areas. An able publicist, he published many books, including Center of the Cyclone, and had two Hollywood movies based loosely on his work. His reputation enabled him to attract private funding for his more unconventional later work.

407 Charles Lindberg GHAIR: Lindberg, on the final leg of his flight, from Havana to St Louis, lost visibility and became disoriented soon after leaving Havana. When he finally got his bearings, he found that he had traveled much further than his available fuel would have allowed. He did not mention this until the final written words for his book *Autobiography of Values*, published in 1976. P 192.

408 Peter Lindemann BCIRCUIT: Did further research on the Eeman biocircuit, and found that radionics worked well for him while he was in the biocircuit, enabling him to "dial in" a frequency which decreased his symptoms dramatically. Lindemann concluded the radionics devise is an objective vehicle through which abstract information can be symbolically expressed. In the biocircuit there is a subtle transfer of information that the radionics devise responds to. The radionics devise seems to be able to speak effectively through the biocircuit to the body's cellular intelligence." P. 161.

409 Oliver Lodge BIOG2: [1851-1940]. A British physicist who developed a system of wireless communication in 1894. Lodge invented a coherer, a device consisting of a container packed with metal granules whose electrical resistance varies with the passage of electromagnetic radiation. Designed to detect electromagnetic waves, this was developed into a detector of radio waves. His work was instrumental in the development of radio receivers. Although he conducted experiments that suggested the ether does not exist, he dismissed the results of his own experiment and continued to hypothesize the existence of the ether. His son, Raymond, was killed in WW1, which spurred an interest in communication with the dead. In 1916 he published the book *Raymond, Or Life and Death: With Examples of the Evidence for Survival of memory and Affection After Death*, and he became a champion of mediums and the world of spirits.

410 Pim Van Lommel

411 Hendrick Anto Lorentz BIOG2: . [1853-1928] From the start of his scientific work, Lorentz took it as his task to extend James Clerk Maxwell's theory of electricity and of light. In his doctor's thesis, he treated the reflection and refraction phenomena of light from this standpoint which was then quite new. His fundamental work in the fields of optics and electricity has revolutionized contemporary conceptions of the nature of matter. In 1878, he published an essay on the relation between the velocity of light in a medium and the density and composition thereof. The resulting formula, proposed almost simultaneously by the Danish physicist Lorenz, has become known as the Lorentz-Lorentz formula. Lorentz also made fundamental contributions to the study of the phenomena of moving bodies. In an extensive treatise on the aberration of light and the problems arising in connection with it, he followed A.J. Fresnel's hypothesis of the existence of an immovable ether, which freely penetrates all bodies. This assumption formed the basis of a general theory of the electrical and optical phenomena of moving bodies. The so-called Lorentz transformation (1904) was based on the fact that electromagnetic forces between charges are subject to slight alterations due to their motion, resulting in a minute contraction in the size of moving bodies. It not only adequately explains the apparent absence of the relative motion of the Earth with respect to the ether, as indicated by the experiments of Michelson and Morley, but also paved the way for Einstein's special theory of relativity.

412 Coral Lorenzen

413 Olga Louchakova,

414 James Lovelock British scientist whose concept of ^Gaia^ was a spin-off of his work for NASA in the 1960s, when he was devising ways to detect life on Mars. He determined that it's not just the presence of life (the biosphere) that changes the atmosphere, but it appears to be regulating it; actively keeping the earth habitable.

415 Elmer Lund,

416 Donald Lynden-Bell

417 Donald Lynden-Bell TPT: In 1969, Donald Lynden-Bell argued that black holes were at the centers of spiral galaxies, sucking in the galaxy matter like a drain sucks water from a tub.

418 Bruce Macabee

419 Gordon J. F. MacDonald BIOG2: In 1966, he was Associate Director of the Institute of Geophysics and Planetary Physics at UCLA, a member of the President's Science Advisory Committee, and later a member of the President's Council on Environmental Quality. He noted "The key to geophysical warfare is the identification of environmental instabilities to which the addition of a small amount of energy would release vastly greater amounts of energy." He wrote a chapter in the book "Unless Peace Comes" titled "How to Wreck the Environment." In the text he described the use of weather manipulation, climate modification, polar ice cap melting or destabilization, ozone depletion, earthquake engineering, ocean wave control and brain wave manipulation using earth's energy fields. [Angels Don't Play This HAARP Earthpulse Press 1995 p 68]. He noted that these types of weapons would be developed, and when used, would be virtually undetectable.

420 Earnst Mach BIOG2: [1838- ] Full professor at Polytechnic School in Graz in 1864, and by 1867 he was head of the department of experimental physics at Prague. In his laboratory, Mach had constructed a "famous instrument known as a wave machine. This device could make progressive [and standing] longitudinal [and] transverse waves..." Mach could display a number of mechanical effects with these acoustic waves and "demonstrate the analogy between acoustic and electromagnetic events." By this means, the "mechanical theory of the ether" could also be demonstrated. By studying acoustic-wave motion in association with mechanical, electrical, and optical phenomena, he discovered that when the speed of sound is achieved, the nature of the airflow over an object changes dramatically. This threshold value became known as Mach 1.: Marc Seifer "Wizard: The Life and Times of Nikola Tesla" Citadel Press 1998 p. 20

421 John Mack

422 Paul D MacLean BIOG2: (1913 – 2007) An American physician and neuroscientist who made significant contributions in the fields of physiology, psychiatry, and brain research through his work at Yale Medical School and the National Institute of Mental Health. MacLean's evolutionary triune brain theory proposed that the human brain was in reality three brains in one: the reptilian complex, the limbic system, and the neocortex.

423 John Maddox FIELD: Editor of the journal Nature, who attacked Jacques Benveniste and his experimental results.

424 Michael Maier,

425 Vladimir Majernik, NPM: In 1996 he proposed A Geometrical Description of Quantum Mechanics, which points out the usefulness of extra dimensions, including time, which has three dimensions, These 3 dimensions of time explain why the speed of light is constant.

426 Reijo and Anu Makela BIOG2: Finnish physiologists and personal friends of Dr. Nick Begich. In a 1999 paper, Dr. Reijo and Dr. Anu Makela pointed out that the "trigger" function of laser light of specific wavelengths can cause biochemical, electrochemical, and structural changes at the cellular level which may in turn alter the outcome of diseases. [<http://www.hlahc.com/news06.html>] Dr Reijo Makela concurs with Begich that HAARP is a health threat, based on his understanding of the effects of radio waves on humans [Angels Don't Play This HAARP Earthpulse Press 1995. p30.]

427 Juan Maldacena,

428 Eugene Mallove BIOG2: [1947-2004]: Eugene Mallove held a B.S. and M.S. in aeronautics and astronomy from the MIT and a Ph.D in environmental health sciences from Harvard University. He had worked for technology engineering firms such as Hughes Research Laboratories, the Analytic Science Corporation, and MIT's Lincoln Laboratory, and he consulted in research and development of new energies. Mallove taught science journalism at MIT and Boston University and was chief science writer at MIT's news office, a position he left as part of a dispute with the school over cold fusion. He was a science writer and broadcaster with the Voice of America radio service and author of three science books: "The Quickening Universe: Cosmic Evolution and Human Destiny" (1987, St. Martin's Press), "The Starflight Handbook: A Pioneer's Guide to Interstellar Travel" (1989, John Wiley & Sons, with co-author Gregory Matloff), and "Fire from Ice: Searching for the Truth Behind the Cold Fusion Furor" (1991, John Wiley & Sons). He also published articles for numerous magazines and newspapers. Mallove was a member of the Aurora Biophysics Research Institute, one of the founders of the International Society of the Friends of Aetherometry, a member of its Organizing Committee, a co-inventor of the HYBORAC technology and one of the main evaluators of ABRI technologies. Mallove's combative stance against what he saw the hypocrisy of mainstream science gave him a high profile. Among other things, he was a frequent guest on the American radio program Coast-to-Coast AM. In his last Coast-to-Coast interview with George Noory, he provided an overview of Aetherometry, in which he discusses the "Aether," Zero Point energy, Einstein and Reich's theories.

429 Yoshio Manaka, BCIRCUIT: an acupuncturist, wrapped tin over burns to neutralize the ionic discharge from the wounds. Noting some improvement, he attached a wire to the tin and connected it to an unburned area on the other side of the body. As a result of this, the burns healed in record time. "Manaka has written that he feels this experiment demonstrates that Qi, life force, exists. Manaka however did not theorize a complete circuit if Chi... he described the healing phenomena entirely in terms of ions flowing through the connecting wire. He theorized that a tiny electric current moved along the wire. Introducing a Vandegraf generator to create a strong static charge, he was able to control the direction of a small electric current. This parallels Robert O Becker's work on the effect of tiny electric currents in the healing of bone tissue.

430 Arnold Mandell BIOG2: Advocates Chaos theory in operation of mind/brain. from a study of individual neurons, cannot derive behavior of the whole, because of concept of emergent properties.

431 Guglielmo Marconi BIOG2: [1874-1937]. In Italy, he managed to send radio signals a distance of 1.5 miles. The Italian government was not interested in this invention, so Marconi moved to England. In 1901, Marconi sent radio signals across the Atlantic from Cornwall, England, to St. Johns, Newfoundland. This was possible because the ionosphere reflects radio signals back to earth, which in return reflects the radio signals back to the ionosphere, etc. As the 20th Century was dawning, two pioneers in the birth of electronics -- Guglielmo Marconi and Nikola Tesla -- were locked in an almost neck-and-neck race to develop radio as a "wireless" communication system, a revolutionary development destined to radically alter the path of history. The younger Marconi eventually won the laurels, including the 1909 Nobel Prize in physics, for inventing radio, even though Tesla eventually prevailed in a U.S. Supreme Court decision affirming that Marconi had infringed on Tesla's patents. Routes of Science: Electricity: Blackbirch Press: 2004. p. 29.

432 Jim Marrs

433 Robert Marshak

434 Marty Martin BCIRCUIT: Lindemann's colleague, Marty Martin, found that if for any reason the RNA function of the body is depressed, radionic treatments always failed. By first stimulating the RNA with a specific treatment, all radionics treatments became effective. The insight is that all remedies are made in the body by the DNA. All the vibrational modalities including radionics, are a means of activating information already in the DNA. P. 164.



435 Glen L. Martin Later: Lockheed Martin; Set up the Research Institute for Advanced Studies to explore new ideas in theoretical physics with an emphasis on gravity and gravity propulsion.

436 Francesco di Martini

437 Abraham Maslow BIOG2: [1908 – 1970] Created his now famous Hierarchy of Needs. Beyond the details of air, water, food, and sex, he laid out five broader levels of development: the physiological needs, the needs for safety and security, the needs for love and belonging, the needs for esteem, and the need to actualize the self, in that order. As newborns, our focus (if not our entire set of needs) is on the physiological. Soon, we begin to recognize that we need to be safe. Soon after that, we crave attention and affection. A bit later, we look for self-esteem. Maslow noted two versions of esteem needs, a lower one and a higher one. The lower one is the need for the respect of others, the need for status, fame, glory, recognition, attention, reputation, appreciation, dignity, even dominance. The higher form involves the need for self-respect, including such feelings as confidence, competence, achievement, mastery, independence, and freedom. Under stressful conditions, or when survival is threatened, we can “regress” to a lower need level. The highest level, self actualization, does not involve balance or homeostasis. Once engaged, it continues to manifest. It involves the continuous desire to fulfill potentials, to “be all that you can be.”

438 James Clerk Maxwell BIOG2: [1831- 1879] Born in Edinburgh, but raised in the country at Glenair. Maxwell obtained his fellowship and graduated with a degree in mathematics from Trinity College in 1854. One of his most important achievements was the extension and mathematical formulation of Michael Faraday's theories of electricity and magnetic lines of force: On Faraday's Lines Of Force. Maxwell showed that a few relatively simple mathematical equations could express the behaviour of electric and magnetic fields and their interrelation; Maxwell's equations. In London, around 1862, Maxwell calculated that the speed of propagation of an electromagnetic wave is approximately that of the speed of light. He proposed that the phenomenon of light is therefore an electromagnetic phenomenon. Maxwell also continued work he had begun at Aberdeen, considering the kinetic theory of gases. By treating gases statistically in 1866 he formulated, independently of Ludwig Boltzmann, the Maxwell-Boltzmann kinetic theory of gases. This theory showed that temperatures and heat involved only molecular movement and that therefore heat was a statistical phenomena. The four partial differential equations equations first appeared in fully developed form in Electricity and Magnetism (1873). <http://www.gap-system.org/~history/Biographies/Maxwell.html>

439 Edwin C. May FIELD: SRI manager who took over the Remote Viewing program after Puthoff and Russell Targ. Also worked with Dean Radin on REG projects.

440 Ed May

441 James McAndrew ROSINCON; Captain and Principle in the 1994 and 1997 USAF investigations of the Roswell incident. McAndrew “found” that witnesses had unwittingly drawn on actual experiences and or events about which they had heard, read or seen depicted in movies: manned and unmanned high altitude balloons; dummy drops and recovery; fiery military aircraft accidents these took place over a period from 1947-1959. Even arch debunker Philip Klass laughed at this one.

442 Gordon McCabe,

443 Rollin McCraty,

444 John McCrone

445 Scott McDermott,

446 James E. McDonald,

- 447 William McDougall,
- 448 Dennis McKenna ethnopharmacologist, who asks "what if plants have consciousness?" - JBA Reality Denied
- 449 Terrance McKenna ethnobotanist, mystic, psychonaut, lecturer, author, and an advocate for the responsible use of naturally occurring psychedelic plants - wikipedia
- 450 Gary McKinnon SAPRO: A British citizen who, in 2002, succeeded in hacking in to the computer network of several US military organizations and was facing up to 70 years in US prison. He allegedly discovered files indicating a US presence in space. P. 397-8.
- 451 Robert McLaughlin
- 452 Robert McLaughlin,
- 453 Joe McMoneagle,
- 454 Lynn McTaggart Author of The Field, and The Intention Experiment.
- 455 Margaret Mead,
- 456 George Meek,
- 457 R. E. Mendanha,
- 458 Dimitry Mendeleev
- 459 Donald Menzel Astronomer UFO debunker who was allegedly s consultant for the CIA
- 460 David Mermin,
- 461 Franz Anton Mesmer BIOG2: [1734-1815] Born in the German town of Iznang. At the age of 32, he completed his medical training at the University of Vienna with a dissertation on the influence of the planets on human disease. He established a lucrative practice in magnetic healing in 1777 in Paris, and completed the "Mémoire sur la découverte du magnétisme animal". Influenced by physical theories of gravitational force and by the work of Franklin and others on electricity, Mesmer developed what was for the period a reasonable explanation of magnetic cure. About 1785, after several spectacular therapeutic failures and the publication of the "Rapport des Commissaires chargés par le Roy de l'examen du magnétisme animal" (Bailly, 1784) which concluded that the evidence in favor of the existence of mesmeric fluid was inadequate, Mesmer left Paris under a cloud and lived the remainder of his life in relative obscurity near the place of his birth. Although Mesmer disappeared from public view, his ideas did not. One of his disciples, the Marquis de Puységur (1751-1825), a wealthy aristocrat and landowner, worked with magnetism and trance, and Mesmerism spread rapidly. INFINMND: Mesmer's ideas were brought to the US by Phineas P. Quimby, who developed a technique called the Science of Health and Happiness. Mary Baker Eddy, one of his patients, founded Christian Science. P. 235
- 462 Ralph Metzner BIOG2: [1936-] He has been involved in the study of transformations of consciousness ever since, as a graduate student, he worked with Timothy Leary and Richard Alpert (later Ram Dass) on the Harvard Psilocybin Projects. He co-wrote "The Psychedelic Experience", and was editor of "The Psychedelic Review". During the 1970s, Ralph spent 10 years in the intensive study and practice of Agni Yoga, a meditative system of working with light-fire life-energies. He wrote "Maps of Consciousness", one of the earliest attempts at a comparative cartography of consciousness; and "Know Your Type", a comparative survey of personality typologies, ancient and modern

463 Ben Mezrich

464 Mordehai Milgrom Around 1982, he proposed that stars well out in the tails of galaxies felt heavier so the gravitational pull by the stars at the center would be stronger, increasing the speed of the outer stars. His approach is called Modified Newtonian Dynamics (MOND). for 20 years it was ignored, and supporting studies were deemed bad science, while critical studies were called “good science” even if poorly written. In 2002, Jim Peebles pointed out that MOND has in no way been ruled out. TPT P. 219

465 John Stewart Mill,

466 Dayton Clarence Miller, BIOG2: A renowned physicist who made major contributions in acoustics and music, but who also worked extensively on ether research, and who found a small positive effect in his interferometer work, as did Michelson and Morely. Miller’s work was declared invalid by his successor at Case Western Reserve, Robert Shankland

467 Peter Milonni,

468 Marvin Minsky,

469 Jeffrey Mishlove, HHSP: Met members of the FFG. His best selling book was The Roots of Consciousness: Psychic Liberation through History, Science and Experience, appeared in 1975. He earned the first doctorate in parapsychology.

470 Edgar Mitchell, Astronaut who traveled to the moon on the Apollo 14 program. Was influenced by Rhine's work, and founded IONS. FIELD: Although Puthoff, Popp, Benveniste and Pribram had been working independently, Ed Mitchell was one of the few to realize that their work presented itself as a unified theory of mind and matter. WITOROS: Confirms that harsh threats were made to parents and families by the military at Roswell NM in July 1947, and believes something extraordinary occurred there.

471 Sam Monfort BIOG2: A doctoral student in Human Factors and Applied Cognition at George Mason University. Monfort wrote up his findings in a Feb 2017 blog update that used information from the National UFO Reporting Center (NUFORC), an organization that documents UFO sightings. He presents a number of charts and maps that show the evolution of UFO sightings geographically and temporally.

472 Robert Monroe founder of Monroe Institute, Hemisync

473 Barbara Montgomery,

474 Raymond Moody Jr.,

475 Charles Moore ROSINCON had served as Mogul balloon project engineer and suggested that parts of the balloon and instrument arrays of a Mogul balloon may have been what Brazel saw. This was dismissed out of hand by researchers who believed that the device had created a large gouge in the earth. Based on Mac Brazel’s interview in the July 9, 1947 Roswell Daily Record, the debris was clearly from a weather balloon, however it is alleged that this interview was a forced recantation of Brazel's original account.

476 William L. Moore Worked for AFOSI (Air Force Office of Special Investigations ) later Codiscovered alleged "Majestic 12 papers"

477 T. H. Moray BIOG2: Professor of physics inspired by Tesla, said to have produced a machine capable of extracting useable energy from “cosmic rays”. These rays have been associated with the quantum vacuum by some.

Documents exist which appear to substantiate the fact that Moray produced electrical energy with no known input energy.

478 David Morehouse Military Remote Viewer

479 Thomas Hunt Morgan,

480 Phillip Morrison SETI's brain child

481 Thelma Moss BIOG2: [1918-1997]: Parapsychologist and medical psychologist at the Neuropsychiatric Institute of the University of California in Los Angeles. Her special interests have included telepathy, radiation, Kirlian photography, energy fields, and skin vision. Moss was a professional actress who left the stage after her husband's death. An experience with psychedelic drugs in the 1960s led her into psychology, and after receiving her doctorate she joined the staff at UCLA. The psychedelic experience also opened her to parapsychological insights and she began to experiment. In one early experiment in the relationship of creativity and psychic ability, she found artists were scoring higher in ESP ability than her control group. Moss and her work have been excoriated by the skeptical community.

482 Hiroshi Motoyama BIOG2: Hiroshi Motoyama: Founder of the Institute for Life Physics, Tokyo, and the California Institute for Human Science, California. He is concerned with elucidating the nature of religious experience and the existence of 'subtle energies' using scientific methods. To aid in this he has built two machines: one to measure the 'Chi' energy in the meridians (the AMI machine) and another to measure the energy of the chakras or energy centres of the body (The Chakra instrument). The AMI instrument is in use in some American and many Japanese medical institutions as a diagnostic tool and for research into health and disease. Note: Valerie Hunt has also worked to measure subtle energies using scientific instrumentation. Has been able to measure low light levels coming from people who have meditated for years.

483 Richard Mould, NPM: physicist at State University of New York, Stony Brook, who introduces the term "common mechanism" to define biological entities involved both in consciousness and collapse of the wave function. He adds to the proposals for common mechanisms the class of proteins called peptides, which includes endorphins. Mould demonstrates that their operation falls within the range of quantum effects subject to the Heisenberg uncertainty principle. P

484 Ken Muldrew,

485 Michael Murphey BIOG2: Co-founder of the Esalen Institute (with Richard Price) and author of "The Future of the Body".

486 Craig Murray,

487 Charles Muses

488 Frederic W. H. Myers, BIOG2: (1843-1901) His book "Human Personality and Its Survival of Bodily Death" (1903) argued that the mind is not generated by the brain but is instead limited and constrained by it. Myers strongly influenced his contemporary intellectual community, and in particular William James and Aldous Huxley. He was also presaged in this view by the poet, artist and mystic William Blake. Myers' position is now being supported by some researchers. In particular, by Edward F. Kelly, Professor of Research in the Division of Perceptual Studies at the University of Virginia School of Medicine, and his colleagues, in the book "Irreducible Mind: Toward a Psychology for the 21st Century", Published in 2009.

489 Caroline Myss BIOG2: Earned her B.A. in Journalism in 1974, her M.A. in Theology in 1979, and her Ph.D. in Energy Medicine in 1996. She is the author of the national best-seller, "Anatomy of the Spirit", and with Norman Shealy, M.D., the coauthor of "The Creation of Health: Merging Traditional Medicine with Intuitive Diagnosis". In 1994 she stopped giving private medical intuitive readings (which Harvard-trained neurosurgeon C. Norman Shealy estimated to be 93% accurate), opting instead to deliver her message to a wider audience through lectures and workshops. Within two years her workshops grew to the point that each averaged about 1,000 people.

490 Robert Nadeau,

491 Gaston Naessens French microbiologist who observed tiny particles, which he called somatids, in the blood, which are too small to identify with conventional microscopic equipment. He invented a microscope which he called the somatascope, which has a magnification of 30,000 times, and a resolution of 150 angstroms to study these particles of dancing light. His somatid theory states that cell division cannot take place without the presence of this tiny life force or energy particle that he calls the somatid. Naessens "believes that the somatid is the original spark of life, the pinpoint where energy condenses into matter." According to Naessens, the "somatid represents the manifestation of cosmic energy in a tiny, moving dot of physicality," as printed in "A New Answer to Cancer" in 'Well-Being', September/October, 1993. Gloria Alvino. PSNWM: Could these be related to biophotons?

492 Thomas Nagel,

493 Yoichiro Nambu

494 D. V. Nanopoulos

495 Jeremy Narby COSSER: Anthropologist and author of the book "Cosmic serpent." He reports his astonishment at the similarities between Harner's and Reichel-Dolmatoff's accounts of two different Amazonian cultures. In both cases there were reptiles in the brain and serpent-shaped boats of cosmic origin that were vessels of life at the beginning of time. Narby wondered if the a Yagua shaman twins reported by Chaumeil could be DNA. He discovered that the mythological theme of twin creator beings of celestial origin was extremely common in South America, and indeed throughout the world. He found that the shape of the double helix of DNA was most often described as a ladder, or a twisted rope ladder, or a spiral staircase. (Where did this come from? DNA is a recent discovery). In their visions, shamans take their consciousness down to the molecular level and gain access to information related to DNA, which they call "animate essences" or "spirits." He hypothesizes that molecules of ... dimethyltryptamine (DMT) contained in ayahuasca activate their respective receptors, which set off a cascade of electrochemical reactions inside the neurons, leading to the stimulation of DNA and, more particularly, to its emission of visible light, which shamans perceive as "hallucinations."

496 Yuval Ne'eman,

497 Cynthia Nelson

498 Roger Nelson, FIELD: A member of the PEAR team. With Dean Radin, compiled all data from 68 investigators into a meta-analysis, and found that participants could affect the desired output of machine 51 per cent of the time. Nelson explored the possibility of a collective consciousness using the REG. He tested this theory at meetings or events, where the REG indicated points of intense group focus. Only business and academic meetings had no effect on the REG machine. He took his REG to several native American sacred sites, including Devil's Tower in Wyoming, and Wounded Knee in South Dakota, as well as a guided tour of ancient Egyptian artifacts.

499 John von Neumann Published a proof as early as 1932 demonstrating that hidden variables were incompatible with QM. John Bell wrote a review paper on the topic, in which he isolated a logical flaw in von Neumann's proof.

500 Andy Newberg, FOG: Newberg coauthored the book "Why God Won't Go Away", which explores the events in people's brains while they are having mystical experiences. Newberg studied the brain patterns of Tibetan monks, Franciscan Nuns, Sikhs, Pentcostals. He found that those in meditative states, whether Christian nuns or Buddhist monks, showed the frontal lobes glowed red with activity, while the parietal lobes (the orientation area) remains dark. The frontal lobes handle the details, helps plan and execute tasks, keeps you alert and focused. Those in Pentcostal/charismatic states showed the reverse pattern: parietal glows red and frontal dark.

501 Isaac Newton, BIOG2: Newton and Gottfried Leibniz made important contributions to differential calculus independently, but Newton claimed to be its sole inventor. When Leibniz took the issue to the Royal Society, Newton appointed a committee of his own supporters to investigate the issue, and wrote the report himself. The result was to isolate English mathematics and set it back years, for it was Leibniz' more versatile  $dy/dx$  notation which was adopted, rather than the more restrictive  $ydot$ . In his early 40's, Newton was drawn back to science. Copernicus' heliocentric theory was well established. Newton, as Halley and others, disagreed with Descart, who held that the universe, even the planets, moved as parts of a clockwork machine. They knew that the planets revolved around the sun in slightly elongated orbits, and suspected the planets were attracted to the sun by some kind of force, and that the attraction followed the inverse square law. Newton was able to prove that this required the planets to travel in elliptical orbits. FORBIDU :His masterwork, Mathematical Principles of Natural Philosophy (*Philosophiae naturalis principia mathematica*) – usually known simply as the Principia – is deemed the single most influential book ever written. His elucidation of the laws of motion and of gravity effectively created the modern world. His major preoccupation was not with gravity or the laws of motion or optics, but with alchemy. Newton did not make his great scientific discoveries despite his esoteric beliefs, but because of them. The same is true of Copernicus , Kepler, Gilbert, Galileo, Kircher and Leibniz.

502 Gunter Nimtz BIOG2: [1936-] A German physicist, working at the 2nd Physics Institute at the University of Cologne (Universität zu Köln) in Germany. His international reputation mainly results from experiments that he claims show that particles may travel faster than the speed of light ( $c$ ) when undergoing quantum tunneling.

503 Renato Nobili FIELD: Showed that electromagnetic frequencies occur in animal tissue; these correspond to wave patterns picked up via EEG in the brain.

504 Paul Nogier BIOG2: [1908-1996]: French neurologist who, after spending several years in China learning traditional Chinese acupuncture, has been credited with discovery of the technique now called the Vascular Autonomic Signal (VAS). He is also considered the foremost western European advocate of ear acupuncture (Auriculotherapy), which holds that every part of the ear corresponds to a part of the body. In the 1970s he proposed that seven frequencies, normally delivered by light pulsations, now called the Nogier frequencies, are beneficial to human health.

505 Willaim O'Neil,

506 Leopoldino S. Olavo, NPM: In a series of 16 papers published from 1995 through 1997, Olavo, of the university of Brasilia rederived all of quantum physics as classical; relativistic Newtonian physics. He views quantum physics as an approximation of classical physics.

507 Harry Oldfield BIOG2: British scientist, expert in Kirlian photography, and co-author of *The Dark Side of the Brain*. He invented Polycontrast Interference Photography (PIP) in the late 1980s using microchip technology. He believed that the future of diagnosis lay in finding an effective scanner that can see imbalances in the energy field rather

than disease in the physical body. He thought that the human energy field might possibly interfere with photons - energy packets of light - or even what might be called "subtle energy photons" in some way. He decided that ambient (surrounding) light would be interfered with by the field both when the incident ray traveled towards the object and when the reflected ray bounced off the object...

508 Lars Onsager NPM

509 Robert J Oppenheimer BIOG2: Director of Los Alamos science lab 1943-45, and in charge of the development of the atom bomb. (Manhattan Project) When he later realized the dangers of radioactivity, he objected to the development of the hydrogen bomb, and was alleged to be a security risk as of 1953 by the US Atomic Energy Commission. He also did research in stellar evolution.

510 Robert Ornstein BIOG2: President of the Institute for the Study of Human Knowledge. Teacher at the UC Medical Center in San Francisco, and at Stanford University. Author of 20 books including The Evolution of Consciousness, which teaches that there will be no further biological evolution of mankind, unless there is an evolution of consciousness which will prevent his extinction.

511 Hans Cristian Orsted BIOG2: [1777-1851]: Danish physicist, who predicted the magnetic effect of an electric current in 1813. In 1819-20 he proved his theory by running an electric wire underneath a compass needle. When he connected the wire to the battery and turned on the current, the compass needle flickered slightly before returning to its original position. The same thing happened when he switched off the electric current. He concluded that the electric current produced a magnetic field, which caused the compass needle to move. Routes of Science: Electricity: Blackbirch Press: 2004 p. 15

512 Howard T. Orville BIOG2: Military Captain. Chief White House advisor on weather control in 1958. He stated that the DOD "was studying ways to manipulate the charges on the earth and sky and so affect the weather" by using an electronic beam to ionize or deionize the atmosphere over a given area. [Between Two Ages: America's Role in the Technotronic Era Zbigniew Brzezinski, Penguin 1976] For perspective: in 1962 with the start of Project Stormfury, which for the next eighteen years tried to control the path and force of hurricanes by strategic cloud seeding. This had some promising early results, but hurricanes proved to be as about as predictable as a toddler's moods, so it never came to much

513 James Oschman

514 Karlis Osis

515 John N. Ott Author of "Health and Light"

516 Rudolf Otto TSN: coined the word "Numinous" to describe the idea of "the Holy",

517 Nelson S Pacheco

518 Thornton Page

519 Heinz Pagels FFG member, and Author of the 1982 book Cosmic Code

520 Bob Park,

521 Alfred L. Parson,

522 Robert Paster

523 Jagesh Pati BIOG2: Physicist and writer For a time he worked actively as a theoretical physicist in England and Canada. Peat's interests expanded to include psychology, particularly that of Carl Jung, art, and general aspects of culture, including that of Native America. Peat is the author of many books including a biography of David Bohm, with whom Peat collaborated, books on quantum theory and chaos theory, as well as a study of Synchronicity. Since moving to the village of Pari in Italy Peat has created the Pari Center for New Learning.

524 Leslie Patten Author of the book "Biocircuits"

525 Wolfgang Pauli BIOG2: 1900-1958] Physicist born in Vienna and studied in Munich. He then went to Göttingen as an assistant to Max Born, moving on to Copenhagen to study with Niels Bohr. During WWII he was in the US at the Institute for Advanced Studies at Princeton. He originated the exclusion principle: in a given system no two fermions (electrons, protons, neutrons, or other elementary particles of half integral spin) can be characterized by the same set of quantum numbers. He also predicted the existence of neutrinos, and won the Nobel prize in 1945.

526 Joseph Chilton Pearce

527 Eric Pearl BIOG2: Formerly a chiropractor in Los Angeles. In his book, "The Reconnection", he relates how he first encountered the "Reconnective Healing frequencies" and set foot on the path of healing. Pearl has a number of well known advocates, including William Tiller, Lynne McTaggart, John Edward, Deepak Chopra, Richard Gerber, and Wayne Dyer.

528 F. David Peat

529 Jim Peebles worked through various models of the universe. Became convinced that galaxies must play a key role in the evolution and large scale structure of the universe. This meant that galaxies must play a role in Einstein's GTR. But how?

530 Wilder Penfield FOG: While exploring the temporal lobes, a very few of his patients reported out of body experiences, hearing voices, and seeing apparitions. This led to the suggestion that there may be something special about the temporal lobes. INFINMIND: Author of mysteries of the Mind, found that during anaesthesia the human mind continued to work in spite of brain inactivity. Brain waves were found to be nearly absent, while after coming out of the anaesthetic, the patient recalled even minor details about the surgery. Since Penfield's work, other researchers have discovered total and acute awareness in comatose patients. He also discovered that while the brain is predictable; stimulated brain cells give consistent responses: the mind is totally unpredictable. He concluded that "it is the mind which experiences, and the brain which records the experience.

531 Roger Penrose TPT: The Russians loosened the symmetry requirement, allowing spacetime to twist and turn in 3 dimensions. Using this model, they concluded singularities would never form. However, Penrose, using his own new method of looking at spacetime, proved that singularities always formed. P. 124. He wrote up his paper "Gravitational Collapse and Spacetime Singularities" for Physical Review Letters. This paper showed that if GTR is correct, the Schwarzschild and Kerr solutions had to exist in nature. With Stuart Hameroff developed the Orch Or theory. INTENT: proposed that microtubules, which form the basic structure of cells, were "light pipes" in cells, which transforms disordered (normal) light into coherent light. p. 34. BIOG2: Renowned Oxford University mathematician who collaborated with Stewart Hameroff, an anesthesiologist, to develop a model that explains consciousness as the result of quantum processes occurring in tiny structures called microtubules in brain cells. He conjectures that the connection between mind and brain may be found at the intersection of relativity and quantum physics. Penrose does not hold to any religious doctrine, and refers to himself as an atheist. In the film "A Brief History of Time", he said, "I think I would say that the universe has a purpose, it's not somehow just there by chance ... some people, I think, take the view that the universe is just there and it runs along – it's a bit like it just sort of computes, and we happen somehow by accident



to find ourselves in this thing. But I don't think that's a very fruitful or helpful way of looking at the universe, I think that there is something much deeper about it

532 Arno Penzias with Robert Wilson, accidentally discovered the Cosmic Microwave background radiation in 1964.

533 Rene Peoc'h imprinted a mobile REG on baby chicks. The REG moved towards the chicks more often than random. P. 117 f

534 Malcolm Perry

535 Michael Persinger, INTENT: Canadian discovered geophysical effects on humans: shifting plates/earthquakes (seismic activity), high rainfall levels can cause hallucinations. This is why he developed his "Koren" "god Helmet" showing that EM radiation to the temporal lobes can induce hallucinations. Monitored his EEG and found that the remote viewing process used high beta gamma waves. BIOG2: Director of the neuroscience lab at Laruentine University of Sudbury in Ontario Canada. Developed a theory that "mystical experiences" are the result of electro-magnetic stimulation of the brain's temporal lobes. Made a helmet which stimulated the temporal lobes and successfully elicited a whole range of mystical experiences, including the abduction experience. Author Jack Hitt made the pilgrimage to Sudbury for a spin in the Persinger helmet. He notes that "Persinger envisions a series of EM patterns that work the way drugs do. Just as you take an antibiotic and it has a predictable result, you might be exposed to precise EM patterns that would signal the brain to carry out comparable effects." This is precisely what Jacques Benveniste was doing in France.

536 Candace Pert Author of the book "Molecules of Emotion". INFINMND: while at the National Institute of Health, reported that when neuropeptides connected to brain cells were stimulated, remote neuropeptides on cells in distant body areas responded faster than the nervous or circulatory systems would allow. P. 249. Many body workers insist that all cells have emotional memory. But cells die and are replaced with new cells. Pert believes that subconsciousness is deep down in the peptides of every cell. P. 250. Hunt believes Pert's work shows that neuropeptides are the interface between the mind field (aura) and the bio healing process. Earnest Rossi believes "neuropeptides ... are a previously unrecognized form of information transduction between mind and body..."

537 James Pfauz OUTTHERE: Army General; Blum says headed a military UFO investigation; J. B. Alexander denies that.

538 Ted Phillips Director of the Center for Physical Trace Research. Invited and accepted invitation to meet with the Secretary-General at the UN in New York. UFOS2DAY say this happened in 1994, but Hynek died in 1986. Phillips has personally investigated hundreds of UFO cases and his files contain 3,189 physical landing traces from 91 countries. [www.visioninconsciousness.org/UFOs\\_ETs\\_04.htm](http://www.visioninconsciousness.org/UFOs_ETs_04.htm)

539 Carter Phipps BIOG2: journalist, and leading voice in the emerging field of Evolutionary Spirituality. For the past decade, as executive editor of EnlightenNext magazine, he has been at the forefront of contemporary spiritual, philosophical, and cultural discourse, and his writings have played a key role in making important new thinking accessible to a wider audience. Author of the book "Evolutionaries: Unlocking the Spiritual and Cultural Potential of Science's Greatest Idea".

540 T.E. Phipps Jr.,

541 Andrew Pickering BIOG2: Sociologist, philosopher and historian of science at the University of Exeter. He was a professor of sociology and a director of science and technology studies at the University of Illinois at Urbana-Champaign until 2007. He holds a doctorate in physics from the University of London, and a doctorate in Science

Studies from the University of Edinburgh. His book *Constructing Quarks: A Sociological History of Particle Physics* (University of Chicago press 1984) is an exceptionally clear and detailed history of particle physics, and a classic in the field of the sociology of science. In the book, Pickering concludes that the quark-gauge theory picture of elementary particles should be seen as a culturally specific product. The theoretical entities of the new physics, and the natural phenomena which pointed to their existence, were the joint products of a historical process- a process which culminated in a communally congenial representation of reality....

542 Lynn Picknett Picknett and Clive Prince: Authors of *Forbidden Universe* and other books. They have a long record of research and publishing in esoteric subjects. They were an important source for several of Dan Brown's best sellers "*Angels and Demons*" and "*The DaVinci Code*".

543 John Pierrakos HANDSOL: With Eva Pierrakos developed a system of diagnosis and treatment of psychological disorders based on visual and pendulum derived observations of the HEF. Developed "Core Energetics."

544 Mark Pilkington

545 Leonora Piper,

546 Matti Pitkanen BIOG2: A Finnish theoretical physicist who has proposed that many principles of quantum physics can be applied to biological systems. He suggests that information transfer in biology takes place via superconductive pathways, and that electrons and photons are the carriers of this information. This work was supported by experiments performed by Freeman W. Cope in the 1970s. NPM: Pitkanen earned his doctorate from the U of Helsinki in 1982 with his thesis on Topological Geometrodynamics (TGD). He has continued to develop this theme. TGD is a geometry based modeling of the universe and its dynamics, with the shapes (topology) of space playing a key role in the math modeling. TGD also adapts string theory to create models of the elementary particles, and uses complexity theory's fractal geometry to model quantum theory.

547 Max Karl Earnst Planck BIOG2: [1858-1947] German physicist born in Kiel and studied at Munch. In 1888 he moved to Berlin as director of the Institute for Theoretical Physics, and was appointed president of the Kaiser Wilhelm Institute, but resigned in 1937 in protest at the Nazi treatment of Jewish scientists. In 1945 the institute was renamed the Max Planck Institute and moved to Gottingen, where Planck was reappointed as director. Based on the way heated bodies radiate energy, he postulated in an act of desperation that energy is only emitted in discrete units, or quanta, whose magnitude is proportional to the frequency of the emitted radiation.

[www.physics.fsu.edu/courses/Fall09/PHY3101/Lecture09\\_QM1.ppt](http://www.physics.fsu.edu/courses/Fall09/PHY3101/Lecture09_QM1.ppt) He is considered the founder of Quantum Theory, and his discovery is considered the beginning of modern science.

<http://www.springerlink.com/content/f133842vu0715272/> He won the Nobel prize for physics in 1918. Planck's constant represents the energy of one quantum of electromagnetic radiation divided by the radiation frequency.

548 Claude Poher French NASA met with Galley on UFOs

549 Henri Poincare

550 Lowell Ponte BIOG2: Author of the book *The Cooling*. Ponte noted that US Congress subcommittee hearings on Oceans and International Environment looked into military and weather and climate modification conducted in the 1970s. Lowell noted: "What emerged was an awesome picture of far ranging research and experimentation by the DoD into ways environmental tampering could be used as a weapon."

551 Vladimir Poponin BIOG2: Quantum physicist who is recognized world wide as a leading expert in quantum biology, including the nonlinear dynamics of DNA and the interactions of weak electromagnetic fields with biological systems. He is the Senior Research Scientist at the Institute of Biochemical Physics of the Russian Academy of

Sciences and is currently working with the Institute of HeartMath in a collaborative research project between IHM and the RAS.

552 Fritz Popp FIELD: A highly successful theoretical biophysicist. At the University of Marburg in Germany in 1970 he formulated a cure for cancer based on his observation that carcinogens scramble the frequency of UV light at 380 nanometers wavelength to other arbitrary frequencies. He theorized that the carcinogen must inhibit UV light from doing photo-repair of body tissue. This further caused him to theorize that there must be some UV light in the body to allow photo-repair. This light was discovered experimentally and named biophoton emission. Biophotons are used for practical applications in assessing food quality. Note relationship of biophoton measure of food quality to energetic value of food

553 Karl Popper FORBIDU: eminent philosopher of science. On natural selection he says: "To say that a species now living is adapted to its environment is, in fact, almost a tautology.... Adaption or fitness is defined by modern evolutionists as survival value, and can be measured by actual success in survival: there is hardly any possibility of testing a theory as feeble as this." All that is said is that survivors survive.

554 Karl Pribram HHSP: Stanford neurosurgeon and psychiatrist. His early work clarified the structure and function of the human brain's limbic system and prefrontal cortex. He appreciated the informal atmosphere at Esalen.. FIELD: Pribram doubted local memory storage in the brain. After Sir John Eccles postulated imagination might be due to microwaves in the brain, Pribram decided that the brain must somehow transform images into wave interference patterns, and then transform then again into virtual images, just as a laser hologram is able to do. Memory would be distributed throughout the brain. He and Dennis Gabor became convinced that perception occurred as a result of a complex reading and transforming of information. Their views were vindicated by other scientists, including Russell and Karen DeValois. FIELD: Pribram showed that in ordinary perception, the networks in our brain are restricted in the information they receive; we are tuned to limited frequencies. However, in altered states of consciousness, this constraint is relaxed, as though our bandwidth expands. P. 137. AQCON: He discovered that physicist David Bohm proposed a holographic universe. HANDSOL: He concluded that the brain employs a holographic process to abstract data from a holographic domain that transcends time and space. From the point of a holographic universe, events emerge from "frequencies" that transcend time and space; they don't need to be transmitted; they are everywhere, due to the nature of a holograph.

555 Pat Price PHENO: Highly skilled analytical Rver for the US government, including the CIA, died mysteriously of a "heart attack".

556 Joseph Priestly BIOG2: [1733-1804]: Isolated elemental oxygen in 1774. His work spurred others, such as Charles Augustin Coulomb and Henry Cavendish, to study electricity. He also dissolved carbon dioxide in water, starting a European craze for soda water.

557 Ilya Prigogine BIOG2: [1917-2003] Born in Moscow, he specialized in complex systems. He developed a Theory of Dissipative Structures, in which a structure can become self organizing if it has an incoming supply of material and energy. His theory, for which he was awarded a Nobel Prize in 1977, allows for a decrease in entropy in far from equilibrium conditions. Any biological organism is an example of a complex dissipative structure. AQCON: Championed the concept of dissapative structures, correspondimg to Szent-Gyorgyi concept of Syntropy, which is the opposite of entropy.

558 Claudius Ptolemy An Egyptian living in Alexandria about 150 A.D., collated Aristotelian thought on the nature of the universe, rejecting Aristarchus of Samos sun centered conception. The resulting Almagest held that the earth was a fixed, inert, immovable mass, located at the center of the universe, and all celestial bodies, including the sun and the fixed stars, revolved around it. This theory was generally accepted in Copernicus' time.

559 Andrija Puharich AKA: Henry Karel Puharich. The Round Table Foundation set up by benefactors to support his work.

560 Harold Puthoff AKA HalPuthoff FIELD: Has written over 40 technical papers in the areas of electron beam devices, lasers, and quantum zero point energy effects, and holds patents in the laser, communication, and energy fields. He believes atoms are not just inert blocks; they are in continuous interaction with vacuum fluctuations, continually absorbing and reemitting vacuum energy. If we could pull the plug on the Vacuum, all atoms would collapse. Gravitational force can be explained in terms of vacuum energy. With Ken Shoulders, began working on condensed charge technology, which is based on zero point field (zpf) physics: Ordinarily electrons don't like to be pushed too closely together. However, you can tightly cluster electronic charge by use of zpf characteristics (?) This enables you to develop electronics applications in very tiny spaces. This condensed charge technology was very high (number 3 and number 2 in consecutive years) on the Pentagon "National Critical Issues List." Puthoff chose to devote his time to finding energy applications of the zpf. Puthoff has also conducted experiments on remote viewing at Stanford Research Institute.

561 Marquis de Puységur BIOG2: [1751-1825] A disciple of Franz Anton Mesmer, he worked with magnetism and induction of a trance like state in the patient to produce healing. The Marquis may justifiably be said to be the founder of modern psychotherapy. With the technique developed by Puységur (but often with the accompanying explanation of Mesmer), Mesmerism spread rapidly.

562 Dean Radin BIOG2: Institute of Noetic Sciences (IONS) Senior Scientist. Played the violin from the age of five, and worked as a professional classical violinist for five years. He earned an undergraduate degree in electrical engineering from the University of Massachusetts Amherst, and both a master's degree in electrical engineering and a doctorate in educational psychology from the University of Illinois at Urbana-Champaign. Radin is the author of the bestselling *The Conscious Universe* and, most recently, *Entangled Minds*. He has conducted research on exceptional human capacities at Princeton University, the University of Edinburgh, and SRI International. FIELD: Developed computer experiment where subjects were shown a rapid sequence of images; some tranquil, others arousing. He found that sometimes subjects responded with physiological markers before actually seeing the photo. His results were validated by Dutch psychologist Dick Bierman at the U of Amsterdam.

563 Srinivasa Ramanugen BIOG2: An Indian of the Brahmin class, born in 1887, he is considered one of the greatest geniuses of mathematics. He collaborated with British mathematician G. H. Hardy, He contracted tuberculosis in England, and returned to his home in India, where he died at age 33. In his last letter to Hardy, Ramanujan wrote down a handful of what were then totally novel functions. It was only in about 2002 that mathematicians formally defined this other set of functions, now called mock modular forms. These functions have been found to relate to the entropy of black holes. They may eventually be shown to have other physical correlations.

564 Roger Ramey WITOROS: General in the Army Air Force in 1947. Held the press conference in Ft Worth TX, in which he stated that the Roswell debris was merely a weather balloon, and that transport of Roswell wreckage to Wright Patterson AFB had been cancelled. Photos of Jesse Marcel with a weather balloon were part of the press release. An FBI memo, dated July 8 1947, sent from Dallas TX to Cincinnati OH, shortly after Ramey's press conference, indicated that the transport had not been cancelled. P. 33.

565 James Randi PHENO: James Randall Zwing, In the US, a "coalition" was formed to discredit Uri Geller. Carl Sagan, Martin Gardner, Ray Hyman, Paul Kurtz and James Randi created CSICOP. HHSP: James Randi criticized Puthoff and Targ's SRI experiments.

566 William Rankine AKA William Jean Rankine

567 Elizabeth Rauscher BIOG2: Dr. Rauscher has been a nuclear scientist and researcher at Lawrence Berkeley National Laboratory, and at Stanford Research Institute, Professor of Physics at John F. Kennedy University of California, research consultant to NASA and the U.S. Navy, and is a member of IEEE, APS, AAAS, MAA, ANA, AAMI. She served on the Congressional OTA Advisory Committee, and has been Delegate and advisor to the United Nations on long-term energy sources and environmental issues. Dr. Rauscher has consulted and been an invited speaker at numerous forums in the USA, England, Europe, Japan, Korea, India, Africa, South America, Canada, Mexico, and Bermuda, and is author of over 200 scientific papers and four books. She holds 3 U.S. patents and 1 European patent. She is currently (2006) on the Board of Directors of Dr. Steven Greer's Space Energy Access Systems. Dr Rauscher, as well as Dr. Ross Adey, Dr. Eldon Byrd, and Dr. Bill Van Bise have also apparently done some preliminary work on "neuro-communication" This work was allegedly confiscated by the government and further developed into "devices to CAUSE, at a distance, effects, pleasant and unpleasant, and other devices to READ OUT biological (including mental) data from the targeted subject", resulting in programs such as "MKULTRA", the CIA mind control program. In 1988 Rauscher and William Bise wrote a paper for The Proceedings of the 1988 International Tesla Symposium that discussed the earth's magnetic field in technical language, but ended with a warning: After mentioning chemical and radioactive pollution, they noted manmade electromagnetic fields "may be reaping irreparable damage to the ionosphere and earth which in turn threatens our very existence". Rauscher and van Bise ended the paper with the suggestion that society examine why they have moved toward such insane motivation, and then go forward to again pursue mutual life enhancement and sanity. [Angels Don't Play This HAARP Earthpulse Press 1995 p 61.] HHSP: Founded her own consulting company, Tecnic Research Laboratories, and got contracts from the Naval Surface Weapons Center and the Naval Ocean Systems Command to study ionospheric effects on signal propagation. Her lab won a contract from Martin Marietta as part of its work on NASA's space shuttle program. Other companies hired her firm to consult on semiconductors and related electronics projects. She expanded into biomedical and alternative medicine topics. She received 3 patents in the US and one patent in Europe for devices designed to use ultra low intensity electric and magnetic fields as a noninvasive pacemaker. The vibrations were also designed to act on the brain to reduce pain. She also kept writing on quantum physics and parapsychology. Recently she has joined forces with the California based nonprofit Institute of Heartmath to design a "Global Coherence Monitoring System".

568 Grote Reber Pioneer in radio astronomy. Built one of the first radio scopes

569 Martin Rees plotted Ryle's catalog as a function of red shift. Almost all the quasars had high red shift, which suggested an evolving universe

570 Tullio Regge

571 Wilhelm Reich Originated concept of orgone energy developed orgone accumulators, and was destroyed by the US mainstream. BCIRCUIT: suggested that physical materials would either absorb or reflect the bioenergy orgone. He used this principle to build an orgone accumulator in 1940. He classified organic materials as absorptive and metals as reflective, and found that reflective materials are conductors, and organic materials insulators. Silk, although organic, functions like a conductor of this energy, as in the Eeman biocircuit. P. 48. INFINMND believed that memory is stored in body tissues. HANDSOL: developed a psychotherapeutic modality in which Freudian analytic techniques are integrated with physical techniques for releasing blockages to the natural flow of Orgone energy. By releasing these blockages, Reich could clear negative mental and emotional states. In the period of the 1930s through the 1950s, Reich experimented with these energies using the latest electronic and medical instrumentation at that time. He observed this energy pulsating in the sky and around all organic and inanimate objects. He observed pulsations of orgone energy radiating from microorganisms using a specially constructed high powered microscope. Reich constructed a variety of physical apparatuses for the study of the orgone field. One was the «accumulator», which was capable of concentrating orgone energy and which he used to charge objects with this energy. He observed that a vacuum discharge tube would conduct a current of electricity at a potential considerably lower than its normal discharge

potential after being charged for a long period of time in an accumulator. Further, he claimed to increase the nuclear decay rate of a radioisotope by placing it in an orgone accumulator. P. 31 . REALDE: Reich was arrested and died in prison in 1957. The courts ordered his materials destroyed and his books burned. It is ironic that at that time Nazi book burning was condemned for suppression of free thought.

572 Gerardo Reichel AKA Geraldo Reichel-Dolmatoff. He was the first to realize that the decoration on the communal houses, ceramics, and painting in general of the Desana and Barasana of the Colombian Vaupés derived from the visions of the Ayahuasca ritual. COSSER: Anthropologist who wrote an article entitled 'Brain and Mind in Desana Shamanism', from another Amazonian culture. Here, within the fissure of the two brain hemispheres, "two intertwined snakes are lying.... In Desana shamanism these two serpents symbolize a female and male principle, a mother and a father image, water and land...; in brief, they represent a concept of binary opposition which has to be overcome in order to achieve individual awareness and integration. The snakes are imagined as spiraling rhythmically in a swaying motion from one side to another."

573 Karl Reichenbach AKA Baron Karl von Reichenbach. Chemist who discovered paraffin. BCIRCUIT: In the 1800's, this Baron earned a fortune in iron, steel and metallurgy. In 1839 he retired, devoting himself to scientific research. He accumulated an abundance of experimental evidence on a force he called Odyle or Od. This force was distinct from heat, electricity, and magnetism, and he believed it was the one recognized by the ancients. This force had polarity, and it could also be conducted by metals, glass, resin, silk, and water. HANDSOL: mistakenly identified as a "Count Wilhelm Von Reichenbach", an apparently non-existent person. : Developed his concept of Odic energy. He found that electropositive chemical elements gave the subjective feelings of warmth and unpleasantness; and electronegative elements were cool and pleasant. Note the analog of positive ions (unpleasant) vs negative ions (pleasant) He found that the Odic field could be conducted along a wire very slowly; about 13 ft/ second. (ref?) Part of the field could be focused by a lens, like light, but another part would flow around the lens, like a fluid. He found that it exhibited many properties that were similar to the electromagnetic field that James Clerk Maxwell had described early in the 19th century. He also found many properties were unique to the odic force. He determined that the poles of a magnet exhibit not only magnetic polarity, but also a unique polarity associated with this «odic field». Other objects, such as crystals, also exhibit this unique polarity without themselves being magnetic. He found that with the odic force like poles attract—or like attracts like. P. 30.. BIOG2.

574 David Reilly

575 Glen Rein BIOG2: Dr. Rein received his PHD in Biochemistry from the University of London. For 25 years, he has pursued an academic career in orthodox biomedical research at Harvard and Stanford Medical Schools, where he studied neuroscience, immunology, psychoneuroimmunology, and bioelectromagnetics. In 1988 he left academia to pursue his interest in Energy Medicine and founded the Quantum Biology Research Laboratory. His research has since focused on characterizing new forms of non-classical electromagnetic energy and their effects on biological systems. Dr. Rein is the author of the book, Quantum Biology: Healing with Subtle Energy, and has published over 30 articles in biomedical journals and books. He has lectured internationally and has made numerous media appearances on radio and TV. Dr. Rein is a faculty advisor at Holos University. He is on numerous scientific and editorial boards, and is a reviewer for several journals, including the Journal of Alternative and Complementary Medicine.

576 J.B. Rhine BIOG2: [1895-1980] A pioneer of parapsychology. He was educated at Ohio Northern University, the College of Wooster, and at the University of Chicago, where he received his master's degree in 1923 and Ph.D. in 1925, both in botany. In 1927, he moved to Duke University to work under Professor William McDougall. There, he began the studies that helped develop parapsychology into a branch of science, today recognized by the American Association for the Advancement of Science. He almost single-handedly developed the methodology and concepts for parapsychology as a rigorous experimental science, and founded many of the institutions necessary for its continuing

professionalization — including the Journal of Parapsychology, the Parapsychological Association, and the Foundation for Research on the Nature of Man (FRNM), a precursor to what is today known as the Rhine Research Center. Author of *New Frontiers of the Mind: The Story of the Duke Experiments*. FIELD:: Rhine had shown through controlled Zener card experiments, that it was possible for a person to transmit information about card symbols, and to increase the odds of a certain number being rolled on dice.

577 Ben Rich Led the development of the F-117 at Lockheed's Skunk Works. SAPRO: He gave an alumni speech at his UCLA alma mater in which he stated: "We already have the means to travel among the stars, but these technologies are locked up in black projects, and it would take an act of god to even get them out to benefit humanity. .... Anything you can imagine, we already know how to do." p. 164.

578 Bernhard Riemann, Gauss tackled the rules of non-euclidian geometry for any general surface. It was further developed by Bernhard Riemann. Riemann's geometry was a mess, with many functions wrapped in nonlinearities. If Einstein could come to grips with this geometry, he might articulate his theory. He succeeded in making all the laws of physics look the same in any reference frame, TPT P. 15.

579 Royal Raymond Rife BIOG2: In the early 1920's, Royal Raymond Rife M.D. developed a "frequency generator". According to Dr. Rife, every disease has a frequency. It was discovered that a substance with a higher frequency would destroy any disease which, of course, would have a frequency lower than 58Hz

580 Mel Riley Remote viewer

581 Ken Ring MD doing research in NDEs

582 mary Roach Author

583 Jane Roberts channeler of "Seth"

584 Bill Roll

585 Zheng Rongliang HANDSOL: Associated with Lanzhou University in China. Said to have measured Ch'i or Qi energy radiated from the human body by using a biological detector made from a leaf vein connected to a photo-quantum (low light measuring) devise. He studied the energy field emanations of a Qigong master and a clairvoyant and found that the detector responds to the energy in the form of a pulse. The pulse emanating from the hand of the Qigong master is much different than that from the clairvoyant. P 33

586 Christian Rosencreutz

587 Hugh Ross Has a PhD in astronomy from the University of Toronto and an undergraduate degree in physics from the University of British Columbia. A leading proponent of Intelligent Design theory, he proposes that everything is fine tuned for life on earth and life on earth is unique. He established his own ministry called Reasons To Believe which uses scientific evidence to argue for the truth of Christianity. He accepts the scientific consensus on an old age of the earth and an old age of the universe, though he rejects the scientific consensus on evolution and abiogenesis as explanations for the history and origin of life.

588 Theodore Roszac HHSP: Historian who focused on the 60s ferment in his 1969 study *The Making of a Counter Culture*. Although he initially saw technocracy and the military industrial complex as the trigger for this phenomena, he finally concluded that the goal of the counterculture was no less than the "subversion of the scientific world view" itself. But as we have seen, quantum theory and Bell's theorem served as intellectual anchors for many New Age speculations. p. 265 f

589 Beverly Rubik BIOG2: Scientist who is internationally known for her research exploring frontier areas of science and medicine. She specializes in subtle energies in health and healing. In 1979, Dr. Rubik earned her doctorate in biophysics at the University of California at Berkeley. In 1988 she relocated to Philadelphia to become founding director of the Center for Frontier Sciences at Temple University. In late 1995 Dr. Rubik left Temple University to continue her work as an independent scholar and consultant and founded the Institute for Frontier Science, a nonprofit corporation. She was one of 18 hand-picked advisors to the original Office of Alternative Medicine at the US National Institutes of Health (NIH), and she helped launch this new federal office through its startup years, from 1992 through 1997. She has published over 60 papers in scientific and medical journals and 2 books. An anthology of her writings, *Life at the Edge of Science*, was published in 1996.

590 Vera Rubin TPT: American astronomer who found that outer stars in galaxies spin far too quickly to be described by gravity. She could not understand how the gravitational pull of the center of the galaxy could rein these stars in.

591 Alfonso Rueda

592 Alvaro de Rujula

593 Edward J. Ruppelt Air Force Captain headed Project Blue. Became convinced there was something to "ufos". He contracted with Battelle to develop Special Report No. 14 (UFOS2DAY). Ruppelt later recanted and died of "heart attack"

594 Peter Russell

595 Burt Rutan SAPRO: Skilled aerospace engineer who showed the world that, with a little ingenuity, spaceflight is possible even on a shoestring budget. His team's "SpaceShipOne" was the first privately owned vehicle to achieve suborbital flight, in 2004. P. 398.

596 Martin Ryle developed aperture synthesis techniques with radio telescopes

597 William de Sitter

598 Leonard Stringfield UFOS2DAY: maintains records" of a number of accounts involving people who had viewed alien bodies at WPAFB. Stringfield was involved in a key report on government connected UFO informants. Astronaut Neil Armstrong and J. Allen Hynek were part of this. Stringfield allegedly knew of 50 government connected informants who had divulged information about UFO events, but was required to keep their identities secret.

599 Michael Sabom BIOG2: Sabom, a cardiologist, was given a copy of Raymond Moody's book *Life After Life*, in 1976. At first skeptical, he eventually spent a lot of time studying the issue. Between 1976 and 1981 Sabom conducted meticulous research on ND and OOB experiences. He found that some ND experiencers were able to give vividly detailed narrations of the events transpiring while they were clinically "dead". He also did a comparative study of interviews with 32 patients claiming to have 'watched' attempts at their resuscitation, with reports of 25 'control' patients, who did not claim such watching, but who were asked to describe what they would have seen. 23 of the 25 patients in the control group made major errors in their description of what happened. [*Fingerprints of God* by Barbara Bradley Hagerty, Riverhead Books 2009 ]

600 Oliver Sacks suggests that savants who cannot perform simple addition or subtraction, yet are able to identify prime numbers up to 20 digits long, do not calculate these numbers, but 'discover' them, by navigating through some vast inner iconic 'landscape' in which the relevant numerical relationships are presented pictorially.



601 Carl Sagan

602 Andrei Sakharov TPT: Looking at spacetime for him is much like looking at water, crystals, or other complex systems. What you think you see is really an emergent property of some more fundamental reality. Similarly, gravity emerges from the quantum nature of matter. In other words, the quantum world would induce the geometry of space time. His induced theory of gravity looked somewhat like general relativity, but lead to a more complicated set of equations. p. 214. Sakharov's idea of how the quantum might change general relativity would resurface again and again over the decades. But by the end of the decade, Steven Weinberg and Ed Witten had proved that the infinities in such a theory couldn't cancel. FIELD: Russian physicist who proposed that gravity is not an interaction between objects, but rather the result of variations in the ZPF due to the presence of matter.

603 Abdus Salam

604 Manoj K. Samal NPM: Associated with the S. N. Bose National Centre for Basic Sciences in India, he has studied tunneling, gravity, topology, optics, nonlocality in classical physics, and other topics related to the interface between quantum and classical physics. He is skeptical that any reductionist paradigm will succeed in providing a deep understanding of consciousness, and is intrigued by the possibility of consciousness related to the quantum vacuum.

605 Nick Sand

606 Ivan P. Sanderson

607 Jack Sarfatti

608 Pierre Paul Sauvin SLPLANTS: Trained and employed by several large corporations, including IT&T. He confirmed Backster's findings, and developed mechanical switches that would depend on a plants ability to intercept his emotions.

609 Jeffery Saver

610 Angelika Sayer AKA Angelika Gebhart-Sayer. Anthropologist. COSSER: According to the shamans of the entire world, one establishes communication with spirits via music. Angelika Gebhart-Sayer discusses the "visual music" projected by the spirits in front of the shaman's eyes: It is made up of three-dimensional images that coalesce into sound and that the shaman imitates by emitting corresponding melodies

611 Kenneth F. Schaffner

612 Thomas Schelling

613 Walter Schempp FIELD: Walter Schempp, a math professor from U of Siegen in Germany, wondered if one could extract 3-D images from sound waves. By 1986 he published a book which proved mathematically how you could get a hologram from the echoes of the radio waves received from radar. He vastly improved MRI technology, and began to wonder if the math and theory of how the MRI worked could be applied to bio systems. He called his theory quantum holography, because what he really discovered was that all sorts of information about objects, including shape, is carried in the quantum fluctuations of the "ZPF", and that this info can be recovered and constructed into a 3-d image. He wondered if his math unlocked the secrets of the human brain. Schempp provided a math foundation for the work of Peter Marcer, who saw in Schempp's machine the same principles that Pribram had worked out for the human brain: by reading information from the "ZPF". It turned out that Edgar Mitchell's theory of human perception was similar to Marcer's, so the 3 collaborated, and Schempp kept Pribram in he loop. P. 89 f.

614 Steven Schiff WITOROS: NM congressman in 1993. Sent 3 letters to the secretary of defense requesting access to all files concerning the Roswell incident. All 3 went unanswered. Similar requests also went unanswered from the White House, Pentagon, all branches of the military, as well as the FBI, CIA, and NSA. In 1993, the GAO, at his request undertook a search of all relevant agencies for documents relating to the Roswell Incident. No additional documents were found other than the ones originally known. It was discovered that ALL documents, such as telexes, radiograms, letters, invoices, etc, emanating from RAAF covering the general time period of the Roswell Incident had been destroyed years before. The GAO advised that the destroyed records were listed on the RAAF document disposition register as permanent, and should not have been destroyed. A few days later Schiff was notified that the destruction of the documents was OK after all. He died of skin cancer in 1998 at the age of 51.

615 Marilyn Schlitz conducted studies on distant mental influence on living systems showing statistical support for this concept

616 Helmut Schmidt FIELD; INTENT: physicist at Lockheed Martin, Wondered if a person trying to change an REG could do so after it had been run. Recorded REG clicks on audiotape to left and right ears, which should be totally random. He recorded one tape, which no one listened to it. He made a copy of that tape, and locked it up. He also made more copies (of the same tape?) which would not be listened to with the intention to change the number of clicks in each ear. When these were played back, they all had about the same number of left and right ear clicks. A volunteer was then given one of the tapes and asked to listen to it and try to make more clicks sound in the right ear. He then had the computer count clicks on the tapes. Alleged results results were that all of the clicks on all the tapes were now changed, as if the number of clicks on the original tape had been changed. He also found that it was important for the influencing subject be the first person to listen to the tape. If someone listened with focused attention without trying to change the number of clicks in each ear, that tape would be less susceptible to influence. This has been cited as an example of retrocausation. These results seem to accord with the role of the observer in quantum theory. P. 171f.

617 Maarten Schmidt realized that quasars are exceedingly distant and unimaginably luminous.

618 Arthur Schopenhauer

619 Erwin Schrödinger Wrote book: "Space Time Structure". BIOG2: [1887- 1961] Born and educated as a physicist in Vienna Austria, Schrödinger advanced the study of wave mechanics to describe the behavior of electrons in atoms. He was never happy with a "particle" interpretation, or the statistical / probability interpretation of the waves that became commonly accepted (and was actively promoted by Werner Heisenberg and Niels Bohr) in Quantum Theory. <http://www.spaceandmotion.com/Physics-Quantum-Theory-Mechanics.htm>. In 1926 he produced a mathematical wave description of quantum theory and the structure of the atom, and later solved the wave equation for the hydrogen atom. He found that the results agreed with energy levels proposed by Bohr. He received the Nobel prize in 1933. Atoms other than hydrogen, molecules and ions can also be described by Schrödinger's wave equation, but these cases are very hard to solve. Wave QM superseded matrix QM, developed by Max Born and Heisenberg. The Nazi takeover of Vienna in 1938 forced him into exile, and he worked at the Institute for Advanced Studies in Dublin Ireland from 1939-1956. He spent his last years at the University of Vienna.

620 Ben Schumacher

621 W. O. Schumann BIOG2: In 1952 he predicted the existence of standing electromagnetic waves in the atmosphere between the earth's surface and the ionosphere. He measured the fundamental frequency at 7.83 Hz in 1954. The fundamental frequency and its harmonics are referred to as the "Schumann Resonances", which span the frequency range from 7.8 to 45 Hz. 60 hz. <http://www.earthbreathing.co.uk/sr.htm> AC power grids may effect these resonance frequencies. [Angels Don't Play This HAARP Earthpulse Press 1995]

- 622 A. A. Schützenberger            psychiatrist, author
- 623 Gary Schwartz            BIOG2: Author; director of Lab for Advances in Consciousness and Health (LACH) at U of Arizona. In his early career, Schwartz published extensively on biofeedback research and health psychology. Schwartz's major research focus from 1990 has been in the fields of parapsychology and consciousness-based healthcare. His VERITAS research project, which concluded in 2008, was created primarily to test the hypothesis that the consciousness (or identity) of a person survives physical death. To this end, Schwartz' lab has tested well-known mediums such as John Edward of TV's Crossing Over and Allison DuBois, the inspiration for the TV drama Medium. Schwartz concluded that DuBois could indeed contact the dead. In January of 2008, the VERITAS Research Program was closed and the research was expanded into a broader, more comprehensive, spiritual communication project named the SOPHIA Research Program. INTENT: discovered that not only do our thoughts produce an energy field outside our bodies, but also any movement of the body produces an energy field. He took CCD photos of healers hands; found healing intention creates waves of (coherent) light. SPOOK: He is best known for his lab tests of mediums, which is the subject of his book The Afterlife Experiments. His data have led him to conclude that there are rare gifted people who can communicate with people who have died. P. 152.
- 624 Stephen Schwartz            Remote viewer; ran Project Deep Quest
- 625 Jeffrey Schwartz
- 626 John Schwarz
- 627 Jack Schwarz            BCIRCUIT: An N.D.. For over 30 years he has been considered an authority on human energy systems and voluntary control of ordinarily involuntary biological functions. His paranormal abilities have been studied at the Menninger Foundation, Langley-Porter Neuropsychiatric Institute, and Stanford Research Institute. He has compared copper and silk biocircuits. In general his observations regarding the biocircuit agreed with those of Hirsch. P. 61.
- 628 Karl Schwarzschild    looked at the GTR equations for the space time around a single spherical mass. His solution gave results very similar to Newton's law; the differences were just enough to explain the drift in Mercury's orbit. He had discovered what would, 50 years later, be called black holes. He presented his solution to E, who accepted it and presented it to the world. P. 48 f. S's solution also accurately predicted the bending of light that Eddington set out to find in Principe. It also predicted that if the star was small but heavy enough, it would be shrouded by a spherical surface that kept everything behind it hidden from sight. The same surface that Oppenheimer would discover 25 years later. This was a valid solution to the GTR, but did it exist in nature?
- 629 Julian Schwinger
- 630 Irena Scott    A UFO researcher and author of "UFOs Today" who has worked at Battelle, DIA (Defense Intelligence Agency), and has been stationed at WPAFB. She has interviewed people at Roswell, White Sands. Her husband John Scott, has worked at Area 51 and on the Nevada Test Site. She has worked with Carey, Schmitt, and Anthony Braglia and found that they were involved with major hoaxes, essentially discrediting them. Schmitt also admitted he faked the Haut "affidavit" in WITOROS. Using deception, Braglia has attempted to discredit several exceptional UFO cases.
- 631 John Searle    IMIND: Berkeley philosopher who argues against the Computational Theory of Mind. The underlying assumption of classical cognitivism is that the brain literally is a computer. Searle argues that 'computation' and 'information processing' are not observer independent features of the world that we empirically discover, like mass, gravity, etc. rather, these are observer relative properties that we assign to certain systems for our own purposes..

In short, the claim that the brain is a computer is not false, but incoherent. According to Searle, consciousness is an emergent property.

632 Thomas Seebeck BIOG2: In 1821, Seebeck, a German physicist, accidentally found, in working with a circuit made up of two different metals, copper and bismuth, that if there was a temperature difference across the junction, a nearby compass needle would be deflected. Further investigation showed that this was due to a current induced by a voltage created by the temperature difference. The larger the temperature, the greater the produced voltage. About a decade later, the French scientist Jean Peltier ran the experiment in the opposite direction: running current through a circuit, Peltier found that he could heat or cool a bimetal junction, depending on which way the electrons were flowing. Today this phenomenon is called the Peltier Seebeck effect. [Mechanical Engineering vol. 130 No. 8 August 2008 p. 30.]

633 Gino Segre

634 Marc Seifer BIOG2: Historian and psychology professor. Past editor of MetaScience, A New Age Journal on Consciousness, He has been featured in The New York Times (Long Island section), Scientific American, Publisher's Weekly, Technology Review, Who's Who in the World, The Economist and The Washington Post. With over 70 publications, Dr. Seifer is internationally recognized as an expert on the inventor Nikola Tesla (the subject of his doctoral dissertation). He has lectured at the United Nations, Kings College, Cambridge University, Oxford University, University of Vancouver, City College of New York, Colorado College, Cranbrook Retreat, and West Point. <http://www.marcseifer.com/home.htm> He is well known for his presentation on Tesla: Nikola Tesla: The History of Lasers and Partical Beam Weapons Proceedings of the 1988 International Tesla Symposium. Based on FBI files as well as other literature Seifer concluded, "Great support is leant to the hypothesis that Tesla's work and papers were systematically hidden from public view in order to protect the trail of his top secret work, which is today known as Star Wars." He is also author of several notable books, including Wizard: The Life and Times of Nikola Tesla <http://www.netsense.net/tesla/> and Transcending the Speed of Light Inner Traditions 2008.

635 Kristopher Setchfield Provided an online critique of Masaru Emoto's experimental procedures: "Is Masaru Emoto for real?"

636 Claude Shannon

637 Natalia Shareyko BIOG2: As of 2010, Prorector of the Institute of Biosensory Psychology, St. Petersburg, Russia. She is a specialist in the field of psychiatry, biosensory psychology, and healing. She is an expert in the field of psycho-bio-energo-informational interactions and a bioenergetic therapist. She is the Vice-President of Professional Medical Association of Natural Medicine, Russia. Holding a degree in neurophysiology, Natalia has practiced healing for over 15 years during which time she has helped solve most serious physical illnesses, emotional and psychological problems. She also taught and lead seminars and classes of various levels of difficulty in Russia, India, Germany, Australia, Austria, Estonia, and the US. The topics taught include but are not limited to healing (self and others), extrasensory perception, business orientation and biosensory psychology. Natalia has been printed numerous times in major magazines on health and business in Russia.

638 Richard Shaver ufo

639 Alexander Shcherbakov AA: co wrote "Is the Moon the Creation of Alien Intelligence".

640 Daniel P. Sheehan WIKI: Constitutional and public interest lawyer, public speaker, political activist and educator. Over the last forty-five years he has participated in numerous legal cases of public interest, including the

Pentagon Papers Case, the Watergate Break-In Case, the Silkwood Case, ????: Argued for John Mack against slandering by Harvard Medical School

641 Steve Sheinkin

642 Rupert Sheldrake BIOG2: Zoologist who wrote "A New Science of Life", in which he expounds on his concept of morphogenetic fields. These are information fields which influence the structure of not only living organisms, but inanimate matter as well. According to Sheldrake, all matter has an associated field of memory which plays an active role in guiding the formation of structures and various processes. The first time a new molecule is created, or crystal grows, it must follow a piecewise blind path down the hills and valleys of the energy landscape. This process results in a morphic field, which is a kind of memory of the material processes involved. The next time the process takes place, it will be guided by the information in the memory field. With more repetitions, the field builds in strength and is more active in controlling the process. His work continues the thought of biologist C.H. Waddington, who believed that the development of organisms is effected by the local "epigenetic landscape". Whenever one member of a species learns a new behavior, the remainder of the species learn it more quickly. F. David Peat, "Synchronicity: The Bridge Between Matter and Mind." Bantam 1987.

643 Michael Shermer

644 William Shockley BIOG2: Selected as team leader by Bell labs, to develop a solid state semiconductor to replace the vacuum tube. Initially the team worked in good spirits, but when Brattain and Bardeen independently developed a "point contact transistor", the "team" broke up. In angry reaction, Shockley developed the "junction (sandwich) transistor". Shockley left Bell Labs to found Shockley Semiconductors, and hired very talented people, but drove eight of them out with his personality. They went on to form Fairchild Semiconductors. Two of those, Bob Noyce and Gordon Moore, went on to found Intel. Shockley's company was the beginning of Silicon Valley.

645 Carlos Perez Shuma Anthropologist; Jeremy Narby's main Ashaninca consultant

646 B.G. Sidharth NPM: Associated with the Center for Applicable Mathematics and Computer Sciences at India's B. M. Birla Science Center, he is a prolific author and researcher on topics of modern science. He notes that confirmation that neutrinos have nonzero mass, and confirmation that the universe is ever expanding imply the need for new physics models beyond the Big Bang and beyond the Standard Model of Particle Physics (SMPP).

647 Saul-Paul Sirag, HHSP: Fell in with the FFG. NPM: Sirag uses the math of reflection space in a model of consciousness, noting its use by others in numerous applications of physics, including optics, wave mechanics, gravity, the Heisenberg uncertainty principle, and Twistor structures, which are at the heart of physicist Roger Penrose's approach to quantum gravity.

648 Wilhelm de Sitter

649 B. F. Skinner Psychologist: school of Behaviorists

650 Vesto Slipher in 1915, had measured red shifts of nebula. The wavelengths of the constituents of the objects spectrum were all shifted to the red from what they are on earth.

651 Graham Smith author of Unseen Cosmos

652 Andrew Phillip Smith author of The Gnostics

653 Cyril Smith BIOG2: British Professor of Bio-Electrical Engineering who has developed techniques to investigate "subtle" fields. Since 1973, he has led studies of the interaction of coherent electromagnetic fields with living

systems and biological materials. He proposes biocommunication between organisms in the presence of light and a weak electromagnetic field. He suggests that this unseen information transfer is accomplished by the macroscopic systems relying on photon exchange in the presence of magnetic vector potentials. His theory has clear links to Popp's concept of biophotons. According to an article in Frontier Perspectives, he developed vector potential sensitive instrumentation whose frequency measurements match that of dowser estimates.

654 Justice Smith

655 Huston Smith

656 Frank D. (Tony) Smith Jr.

657 Lee Smolin TPT: Found that instead of talking about the quantum properties of geometry at isolated points in space as they evolve through time, it was much easier to work with the geometry of a collection of points, effectively focusing on chunks of space at a given time. For them, the natural building blocks for quantum theory were loops in space that could be used to build solutions to the Wheeler-DeWitt equation. The loops would link up and intertwine to form Einstein's smooth curved spacetime. This became known as loop quantum gravity. With Carlo Rovelli, he showed that the Penrose "spin networks" were even better solutions to the Wheeler-DeWitt equation. Yet these networks had no resemblance to the intuitive picture of space and time. Smolin and Rovelli's spin networks were a completely new way of looking at quantum gravity. His 2006 book "The Trouble With Physics" mounts a withering attacks on string theory

658 Alan Sokal published in 1996 an intentionally fraudulent paper "Transgressing the Boundaries: Toward a Transformative Hermeneutics of Quantum Gravity", published in a social science journal. This was to demonstrate that the journal editors were ignorant of physics.

659 Pitirim Sorokin Russian sociologist; His magnum opus, the monumental "Social and Cultural Dynamics" spanned 2,500 years and attempted to isolate the principles of social change as they were manifested in his studies of art, philosophy, science, law, ethics, religion and psychology. He proposes a waxing and waning of three basic culture values: sensate, ideational and idealistic. The sensate value system holds that matter alone is the ultimate reality. The ideational value system holds that true reality lies beyond the material world, in a spiritual realm, and that knowledge can be obtained by inner experience. The Idealistic synthesizes the premises of sensate and ideational into one inwardly consistent and harmonious unity. He finds this mentality rarely in an entire culture.

660 Fred Soyka BIOG2: Author of "The Ion Effect" [E.P. Dutton & Co. Int. New York 1977] The author discusses the various observed mental and physical problems associated with certain positive ion bearing winds. Negative ions appear to have only beneficial effects. The effects of negative ions are destroyed by combination with particulate, and for that reason have been used in air purification systems. Ions have a number of physiological and psychological effects on living beings. Negative ions, associated with relaxation, allow us to absorb oxygen more readily, appear to promote the quality of alpha brain waves, and have been used as treatment for anxiety and fear neurosis. Positive ions are associated with increased levels of serotonin and reduced blood oxygen levels, and tend to speed up the metabolic process. Changes in the local natural electric field intensity affect hospital psychiatric admissions. The polarity of the full moon has been found to push negative ions of the ionosphere closer to the earth's surface, thus possibly accounting for greater aberrant behavior during these time periods

661 Marco Spanns NPM: "Topological Dynamics"

662 Nicholas Spanos Canada studied nearly 200 subjects, some claiming ufo experiences Showed that subjects claiming ufo encounters were not more prone to fantasy or suggestion. AA

663 Robert Speltzer Has argued that DMT does not explain NDES, because in the classic case of a NDE, all biological signals, all metabolic activity, especially of heart and brain, cease. However, DMT creates a chemical reaction in a functioning brain.

664 Hans Spemann

665 John Spencer

666 Roger Sperry BIOG2: [1913-1994] Awarded the Nobel Prize " Physiology or Medicine" in 1981 for his discoveries on split brains. Essentially, Sperry and his students showed that if the two hemispheres of the brain are separated by severing the corpus callosum (the large band of fibers that connects them), the transfer of information between the hemispheres ceases. Sperry started this investigation with cats and monkeys, but later extended it to human beings when patients became available whose hemispheres had been surgically separated in order to control intractable epilepsy. He found that the left hemisphere is dominant in all activities involving language, arithmetic, and analysis. The right hemisphere, although mute and capable only of simple addition (up to about 20) is superior to the left hemisphere in spatial comprehension and face recognition. By devising ways of communicating with the right hemisphere, Sperry could show that this hemisphere is, to quote him: "indeed a conscious system in its own right, perceiving, thinking, remembering, reasoning, willing, and emoting, all at a characteristically human level, and ... both the left and the right hemisphere may be conscious simultaneously in different, even in mutually conflicting, mental experiences that run along in parallel." He put his thoughts into a lead article for the 1981 Annual review of Neuroscience titled "Changing Priorities." In the article he says we are leaving behind determinism, behaviorism, and the materialism of the science of the past. "we are having to recognize the primacy of inner conscious awareness as a causal reality." [Global Mind Change by Willis Harmon]

667 Lawrence Squeri Author of "Waiting for Contact"

668 Henry P. Stapp HHSP: A senior theoretical physicist at LBL, he was the only mainstream physicist to belong to the FFG. NPM: proposes another "common mechanism": calcium ions in neurons. Stapp is of the school that quantum physics is at its heart a theory of the interaction between mind and matter.

669 Glenn Starkman BIOG2: Starkman, of Case Western Reserve, and colleagues Tom Zlosnik and Pedro Ferreira of the University of Oxford are now reincarnating the ether in a new form to solve the puzzle of dark matter, the mysterious substance that was proposed to explain why galaxies seem to contain much more mass than can be accounted for by visible matter. Ironically, Dayton Clarence Miller, who did earlier discredited ether research supporting its existence, was also from Case Western.

670 Rudolph Steiner

671 Charles Steinmetz

672 Victor Stenger

673 Otto Stern

674 Ian Stevenson IRRED: Pioneer reincarnation researcher: see reincarnation.

675 Rick Strassman BIOG2: [1952-] Received a Residency in Psychiatry at UC Davis. He was on the team at UNM that documented the function of the pineal hormone melatonin. Received lay ordination in a western Buddhist order, and administered a meditation group. He has published nearly 30 peer reviewed scientific papers, and began a new round of US Government approved research with psychedelic drugs. As of 2006, he was Clinical Associate Professor

of Psychiatry at the UNM School of Medicine. <http://www.rickstrassman.com/?q=node/2> He is the author of "DMT: The Spirit Molecule." Strassman notes that Japanese researchers discovered the brain actively transports DMT across the blood brain barrier and that no other psychedelic is treated with such acceptance. This is startling when we recall how easily biological psychiatrists dismiss DMT as having any value to the brain. He suggests perhaps excessive DMT production accounts for naturally occurring "psychedelic" states, such as birth, death, near death, psychosis, mystical, and even "alien abduction" experiences. The book reviews what we know about psychedelic drugs in general and DMT in particular. It includes numerous excerpts of volunteer experiences, as well as Strassman's own far ranging speculations

676 Galen Strawson

677 Whitley Strieber famed ufo contactee and abductee; author of Communion. Friend of John B. Alexander.

678 Leonard H. Stringfield

679 Albert Stubblebine command of INSCOM in 1982; ESP buff

680 Leonard Susskind The Felix Bloch professor of theoretical physics at Stanford University, and known as a "father of string theory"—the idea that everything, at its most minute scale, is made of combinations of vibrating strings. Susskind's books "The Cosmic Landscape" and "The Black Hole War" represents string theory's perspective. <http://www.nyas.org/publications/readersReport.asp?articleID=48>. The Cosmic Landscape review: <http://www.nyas.org/publications/readersReport.asp?articleID=48>. The Black Hole War review: [http://physics.suite101.com/article.cfm/the\\_black\\_hole\\_wara\\_review](http://physics.suite101.com/article.cfm/the_black_hole_wara_review).

681 Inego Swann artist, remote viewer

682 Emanuel Swedenborg BIOG2: [1688-1772]. Born in Stockholm, he was absorbed by science and engineering projects, and acquired influential offices. At age 55 a profound change came over him as he became interested in spiritual matters. He experienced visions, and claimed to be in direct communication with spirit. He was so moved by his experiences that resigned from his government job to further his spiritual explorations. A prolific outpouring of books followed, and he is said to have exhibited clairvoyance and remote viewing on numerous occasions.. His views did not gain a significant following until after his death, when English translations began to circulate in the US and England, and laid the groundwork for Spiritualism. [Rosemary Ellen Guiley, Harpers Encyclopedia of Mystical and Paranormal Experience Harper Collins 1991.]

683 Brian Thomas Swimme BIOG2: BIOG2: [1950-] On the faculty of the California Institute o

684 Albert Szent-Gyorgyi BIOG2: Hungarian born US biochemist who isolated vitamin C and B2. Awarded Nobel Prize for physiology or Medicine in 1937. Studied muscle tissue and thymus gland. FIELD: Nobel prize winner who postulated that protein cells act as semiconductors, preserving and passing along the energy of electrons as information.

685 Gerard 't Hooft Gerard 't Hooft

686 Michael Talbot BIOG2: Author of numerous books, including "The Holographic Universe", and "Mysticism and the New Physics".

687 Vic Tandy

688 Alex Tanous alleged astral traveler and associate of JBAlexander



690 Richard Tarnas BIOG2: [1950-] Cultural Historian. Tarnas' second book, *Prometheus the Awakener*, was published in 1995 and focuses on the astrological properties of the planet Uranus, and is a "description of the uncanny way astrological patterns appear to coincide with events or destiny patterns in the lives of both individuals and societies..." Tarnas suggests that the characteristics associated with the mythological figure Uranus do not match the astrological properties of the planet Uranus, and that a more appropriate identification would be with the mythological figure Prometheus. In 2006, Tarnas' third book, *Cosmos and Psyche: Intimations of a New World View*, was published. The core argument of *Cosmos and Psyche* rests on the claim that the major events of Western cultural history are consistently and meaningfully correlated with the observed angular positions of the planets. The book received favorable reviews in *Tikkun* magazine, an anthroposophical journal, and the web magazine *Reality Sandwich*, but was panned in the *Wall Street Journal*. Tarnas was featured in the 2006 film *Entheogen: Awakening the Divine Within*, a documentary about rediscovering an enchanted cosmos in the modern world. In 2007, a group of fifty scholars and researchers in the San Francisco Bay Area formed the Archetypal Research Collective for pursuing research in archetypal cosmology. An online journal, *Archai: The Journal of Archetypal Cosmology*, edited by Keiron LeGrice and Rod O'Neal, was begun a year later, based on the research orientation and methodology established in *Cosmos and Psyche*. Advisory board members include Christopher Bache, Jorge Ferrer, Stanislav Grof, Robert A. McDermott, Ralph Metzner, and Brian Swimme. Contributors have included Keiron Le Grice, Richard Tarnas, Stanislav Grof, and Rod O'Neal

691 Charles Tart BIOG2: Core faculty member of the Institute of Transpersonal Psychology in Palo Alto CA. He is internationally known for his psychological work on the nature of consciousness, especially altered states of consciousness, and for his research in scientific parapsychology. He is also one of the founders of the field of transpersonal psychology. FIELD: found that although sensitive subjects' vital signs changed when perceiving pain in a target person, they were not consciously aware of that pain. Showed that when 2 participants hypnotize one another, they experience intense common hallucinations. P. 127

692 Jill Tartar

693 Jill Bolte Taylor BIOG2: BIOG2: [1959-] A neuroscientist who at age 37 suffered a massive stroke. Her subsequent eight-year recovery has informed her work as a scientist and speaker. Her February 2008 TED Conference talk resulted in widespread attention and interest around the world. [[http://en.wikipedia.org/wiki/Jill\\_Bolte\\_Taylor](http://en.wikipedia.org/wiki/Jill_Bolte_Taylor)] Her account states that the stroke incapacitated her left cerebral hemisphere, leaving the right intact. She explains that the left hemisphere is like a serial processor, while the right is like a parallel processor. She states that her intact right CH, the traditionally intuitive side, was responsible for her expansive, almost spiritual experience of unity with life, while the left CH keeps us individuals. [[http://www.ted.com/talks/jill\\_bolte\\_taylor\\_s\\_powerful\\_stroke\\_of\\_insight.html](http://www.ted.com/talks/jill_bolte_taylor_s_powerful_stroke_of_insight.html)]. FOG: Interestingly, other studies have found that the temporal lobe of the left prefrontal cortex is the seat of joy, while the right prefrontal cortex is associated with more worry, anxiety, and sadness. p. 182.

694 Pierre Teilhard de Chardin [1881-1955] AQCON: A Jesuit paleontologist whose visionary ideas clashed with his church, but have resonated with many searching for personal transformation. Teilhard was the fourth of eleven children and was born at the family estate of Sarcenat near the twin cities of Clermont-Ferrand in the ancient province of Auvergne. Both parents came from distinguished families. In particular, his mother was the great grandniece of Francois-Marie Arouet, more popularly known as Voltaire. He entered the Jesuit novitiate at Aix-Provence in 1899, enthusiastic about geological explorations as well as theological studies, and was ordained in 1911. Teilhard was a "soldier priest" during World War I (1914- ), being a stretcher bearer with the North African Zouaves. Throughout his correspondence he wrote that despite this turmoil he felt there was a purpose and a direction to life more hidden and mysterious than history generally reveals to us. This larger meaning, Teilhard believed, was often revealed in the heat of battle. After his demobilization in 1919, Teilhard returned to his studies. In addition to completing his PhD, he wrote

"The Spiritual Power of Matter" during this period. Although loyal to the Jesuits his entire life, his unconventional ideas continually provoked his Jesuit superiors. He continually rewrote his ideas in an attempt to make them acceptable to the Church. Teilhard began to use the term of Edward Suess, "biosphere," or earth-layer of living things, in his geological schema. He then expanded the concept to include the earth-layer of thinking beings which he called the "noosphere" from the Greek word nous meaning "mind." While his lectures were filled to capacity, his influence had so disturbed a bloc of conservative French bishops that they reported him to Vatican officials who in turn put pressure on the Jesuits to silence him. In 1931, after a visit to the US, he outlined a new essay *The Spirit of the Earth*, inspired by his growing conviction that a growing number of individuals from every layer of American society was engaged in an effort "to raise to a new stage the edifice of life" He soon set forth his major thesis: Mind has been undergoing successive reorganizations through out the history of evolution until it has reached a crucial point- the discovery of its own evolution. It will eventually become collective. It will envelope the planet and will crystallize as a species wide enlightenment he called "Omega Point." p. 51f.

695 Edward Teller BIOG2: Hungarian born US physicist known as the father of the hydrogen bomb. He worked on the fission bomb- the first atomic bomb 1942-1956 (the Manhattan Project), and then on the fusion bomb, or H-bomb 1946-52. In the 1980s he was one of the leading supporters of the Star Wars program (Strategic Defense Initiative) He was a key witness against Robert Oppenheimer at the security hearings of 1954. Teller is believed to be the model for the leading character in Stanley Kubrick's 1964 film *Dr. Strangelove*.

696 G. T. Ter-Kazarian NPM: working at the Byurakan Astrophysical Observatory in Armenia and the International Centre for Theoretical Physics in Italy, first presented his theory of goyaks in 1986. Goyaks are the substance out of which both particles and geometry are made.

697 Nikola Tesla BIOG2: [1856-1943] Tesla was Born July 10 1856 in Smiljan Austria; today the Republic of Croatia. As a child, Tesla had "out of body" experiences: "Blurred [at fist] ... I would [see] on my journeys new places, cities and countries- live there, meet people and make friendships... and however unbelievable, it is a fact that they were just as dear to me as those in actual life and not a bit less intense in their manifestations". His thoughts were often interrupted by annoying flashes of light. Tesla studied mechanical and electrical engineering at the Austrian Polytechnic School at Graz. In 1882 he moved to Paris to work as an engineer for the Continental Edison Company, designing improvements to electric equipment. In 1884, he accepted a job with the Edison Company in New York City, and moved to the US. For the duration of 1884, Tesla worked for Edison in Menlo Park. He reassembled many of Edison's generators, and designed 24 different types of machines that became standards and replaced those being used by Edison. According to Tesla's commentary, "The manager promised me fifty thousand dollars [for redesigning equipment], but when I demanded payment, he merely laughed. 'You are still a Parisian,' remarked Edison. 'When you become a full-fledged American, you will appreciate an American joke.'" In 1886 he invented an AC power source and transmission system. Tesla claimed to be able to send electrical energy without wires before the turn of the century, and envisioned people all around the globe sticking rods into the earth to extract that energy- free. When Tesla admitted to financier J.P. Morgan that an experimental tower on Long Island was meant to send power as well as messages, his public career ended. [Mark Seifer "Wizard: The Life and Times of Nikola Tesla: Biography of a Genius". Citadel Press 1996] SAPRO: tesla: High voltage magnifying transmitter and electrogravitic impulse effect p. 165 f.

698 J. J. Thompson BIOG2: [1856-1940] British physicist who discovered the electron when he was experimenting with cathode rays.

699 Ed Thompson created military unit of psi spies ???

700 William Thomson AKA Lord Kelvin 1824–1907. At the beginning of the 20th century, he saw two major problems with the state of physics. One problem had to do with the question of the luminiferous ether, thought

to be necessary to allow propagation of light. The other was the inability of electromagnetic theory to adequately predict the characteristics of thermal or black body radiation.

701 Kip Thorne

702 John Tierney

703 William Tiller BIOG2: Fellow to the American Academy for the Advancement of Science, Professor Emeritus William A. Tiller, of Stanford University's Department of Materials Science, spent 34 years in academia after 9 years as an advisory physicist with the Westinghouse Research Laboratories. In his conventional science field he has published over 250 scientific papers, 3 books and several patents. In parallel, for the past 30 years, he has been avocationally pursuing serious experimental and theoretical study of the field of psychoenergetics which he thinks will become a very important part of "tomorrow's" physics. In this new area, he has published to date, an additional 100 scientific papers and two seminal books. BCIRCUIT comments on the use of the Edgar Cayce "Impedance devise".;

704 Robert G. Todd ROSINCON: archival investigator. Establishes that New York U had a Mogul team at Alamogordo. New Mexico Institute of Mining and Technology

705 Sin-Itiro Tomanaga

706 Clyde Tombaugh AAGEN: Discoverer of Pluto, and the only noted astronomer who had admitted to sighting a ufo

707 Akira Tonomura

708 Charles Townes won the Nobel prize for inventing the laser. He also suggested looking for light pulses instead of radio signals in 1961. Optical SETI only arrived near the end of the century. Waiting for Contact, P. 86.

709 Arnold Toynbee According to his "A Study of History", civilization results from a transition from a static state to a condition of dynamic activity. The civilization continues to grow when successful response to challenge creates momentum. When social structures and behavior patterns have become so rigid that the society can no longer adapt to changing situations, it will be unable to carry on the creative process of cultural evolution. Whereas growing civilizations display endless variety and versatility, those in the process of disintegration show uniform lack of inventiveness. Although the cultural mainstream has become petrified, creative minorities "turning to the inner world of the psyche" will appear on the scene and carry on the process of challenge and response.

710 Sam Treiman

711 Marcello Truzzi

712 H. S. Tsien AKA Qian Xuesen

713 Michael Tuts

714 Nathan Twining Chief of AMC ATIC at WP, allegedly sent a letter to Army Air Force Brig Gen. George Schulgen confirming that a few percent of reports seemed to be unexplained. He recommended that a permanent group be established to study ufos Project Sign appears to have been the result

715 Paul Tyler Mil. Captain BIOG2: : Author of a 1986 document titled THE ELECTROMAGNETIC SPECTRUM IN LOW-INTENSITY CONFLICT Air University Press Center for Aerospace Doctrine, Research and Education. The document is referenced in Robert O. Becker's book, Cross Currents, Jeremy Tarcher Publishers. The document notes that many studies have been published indicating specific biological effects can be achieved by controlling the various parameters

of the electromagnetic (EM) field. Noted that EM fields can produce significant benefits, yet at the same time can be exploited and used in a controlled manner for military or covert applications. This paper focuses on the potential uses of electromagnetic radiation in future low-intensity conflicts. Noted that recently, pulsed electromagnetic fields have been reported to induce cellular transcription. "At the other end of the non-ionizing spectrum, research reports are also showing biological effects that are not predicted by classical theories. For example, Kremer and others have published several papers showing that low intensity millimeter waves produce biological effects. They have also shown that not only are the effects seen at very low power, but they are also frequency specific. Note the similarity of this concept to the concept proposed by Royal Raymond Rife M.D

716 Jacques Fabrice Vallee BIOG2: [1939- ] A scientist who has maintained a productive career in mainstream science, and at the same time earned a reputation as a credible researcher in the study of UFOs. By 1969, Vallée reversed his Extraterrestrial Hypothesis conclusions, and publicly stated that the ETH was too narrow and ignored too much data. Vallée began exploring the commonalities between UFOs, cults, religious movements, demons, angels, ghosts, cryptid sightings, and psychic phenomena. He has contributed to the investigation of the Miracle at Fatima and Marian UFOS2DAY: With his associate J. Allen Hynek, Ted Phillips, and astronaut Gordon Cooper, was invited, and accepted an invitation to meet with the Secretary-General at the UN in New York. UFOS2DAY say this happened in 1994, but Hynek died in 1986.

717 James Van Allen BIOG2: [1914-2006] Professor of physics at the University of Iowa and discoverer of the Earth-girdling radiation belts 2000 miles above earth that bear his name. Van Allen says: "Every time you turn on a radio transmitter you modify the ionosphere. HAARP will perturb the ionosphere markedly for an hour, or maybe even a day, or perhaps at most a month. I don't see any deleterious effects other than on local communications. Van Allen says five decades of research have given him a feeling for the minute scale of influence humans have on the cosmos. "There is nothing that we as men can do that does not pale in comparison to the forces of nature."

718 Hoyt Vandenberg

719 Michael Vasin co wrote "Is the Moon the Creation of Alien Intelligence". Alien Agenda

720 Vlatko Vedral INTENT: Vedral, of the Imperial College of London, reviewed the Rosenbaum Ghosh study, which found entanglement in the atoms of a crystalline holmium. Vedral and others in his circle did not believe this effect was unique to holmium.

721 Veljko Veljkovic

722 Martin Veltman

723 Renato Vesco claimed the basic principles of the Feuerbal, a remote controlled anti-radar devise, was later applied to a "symmetrical circular aircraft" known as the Kugelblitz, or Ball Lightning, which became an "antecedent of the present day flying saucers".

724 Franz Vollenweider FOG: His research has identified serotonin, and a particular serotonin receptor, as keys to mystical experience. Dopamine and glutamate interact with serotonin and other chemicals. P 111.

725 Alessandro Volta BIOG2: [1745-1827] Italian Professor who believed electric charge was produced when two different metals touch (a battery) to make an "electric circuit." He developed simple chemical batteries. The first battery was called a voltaic pile, a sandwich made from alternating disks of silver, cardboard soaked in saltwater (the electrolyte) and disks of zinc. His research marked the beginning of the new field of electrochemistry. Routes of Science: Electricity: Blackbirch Press: 2004. p 8.

- 726 Werner von Braun German rocket scientist
- 727 Herman von Helmholtz BIOG2: [1821-1894]. German physicist who argued that there were particles of electricity. His investigations occupied almost the whole field of science, including physiology, physiological optics, physiological acoustics, chemistry, mathematics, electricity and magnetism, meteorology and theoretical mechanics. He did important work on the conservation of energy, hydrodynamics, electrodynamics and theories of electricity, meteorological physics, optics; and on abstract principles of dynamics. In all these fields of labor he made important contributions to science, and showed himself to be equally great as a mathematician and a physicist. He studied the phenomena of electrical oscillations from 1869 to 1871, and in the latter year he announced that the velocity of the propagation of electromagnetic induction was about 314,000 meters per second.
- 728 Ulrich Warnke
- 729 George and Ma Warr BIOG2: and Ruth Drown MD. Developed instruments said to detect radiations from living tissues, and a process, called Radionics to detect, diagnose and heal from a distance based on "frequency".. See radionics BCIRCUITS: Developed new radionics instruments beginning in the 1940s.
- 730 George Washnis BIOG2: Author of Discovery of Magnetic Health: A Health Care Alternative. This book provides interesting information on the importance of Earth's magnetic field with respect to health
- 731 Alfred Watkins
- 732 Lyall Watson BIOG2: In his book Lifetide: "The Biology of Consciousness", he describes his discovery that if a group of monkeys on an island learned a new behavior, suddenly other monkeys on other islands learned the same behavior, with no apparent means of communication with the original monkeys that learned the behavior. This phenomenon has come to be called the hundredth monkey effect, and is used as an example of Rupert Sheldrake's concept of morphogenetic fields.
- 733 James Dewey Watson WIKI: An American molecular biologist, geneticist and zoologist, best known as one of the co-discoverers of the structure of DNA in 1953 with Francis Crick and Rosalind Franklin.
- 734 Robert Watson-Watt BIOG2: Scottish physicist who designed the first Radar system put into practical use. The invention was invaluable to the British in responding to German air attacks during WWII.
- 735 Joe Weber
- 736 Daniel Wegner concludes that consciousness is purely epiphenomenal; a byproduct of biology
- 737 A.F. Weichmann
- 738 Steve Weinberg along with Glashow and Salam, succeeded in unifying EM and weak into electro-weak.
- 739 Ray Weise
- 740 Paul Weiss
- 741 Victor Weisskopf, The severity with which physicist's Cold War bubble burst in the early 1970s occasioned sustained soul-searching by many physicists. The National Academy of Sciences convened a blue-ribbon panel, the Physics Survey Committee, to assess the damage and plot a new course forward. MIT's Victor Weisskopf and 16 equally prominent colleagues organized the massive study. Just as the FFG, the committee concluded that the boom years had exaggerated one among many legitimate styles in physics, and the pragmatism required for technological development had crowded out other important approaches. The committee argued that the best way to accomplish

such a top-down refashioning was through a change in education. Classroom conditions changed. Essay questions began to reappear on doctoral students exams and in textbooks, and interpretation became a legitimate issue. Beyond the formal curricula, physics departments began to offer informal seminars for grad students. Physicists began to make room for the kind of free-wheeling philosophical discussions that had animated the founders of QM in the 1920s and that Rauscher and Weissmann had re-created with the FFG.

742 George Weissmann Co-founder of the FFG. After completing his PhD, he lost interest in mainstream particle physics. He became interested in herbal remedies. He established the Padma Marketing Corporation to import and sell this product. Marketing materials proclaimed Padma 28 to be effective in treating a broad range of health problems. In 1986 the FDA stepped in and ordered all shipments of Padma 28 be destroyed. The next year they issued a permanent injunction against the product. Weissmann still believed in this product. Indeed, biomedical researchers in Europe continue to investigate whether the compound might be effective. Later he started a business Veat, which succeeded. In 2000 he began a book project called "Quantum Paradigm", representing his effort to devise a unified theory of consciousness, parapsychology, and quantum theory. HHSP.

743 Aubrey Westlake BCIRCUIT: In 1938, he retired early from general practice to devote complete attention to identifying what was responsible for the healing process, and how that process could be accelerated. He investigated Bach's vital force in flowers, radionics, Reichs. Orgone work. He concluded the healing power in all these methods was the same force. Westlake was impressed by the new science of bocircuitry. He believed the force in the Eeman circuit was the same force used by the ancients in healing.

744 Herman Weyl

745 John Archibald Wheeler Initially John Wheeler supported Rauscher in delving into multiple dimensions, relativity and cosmology. He later went on the warpath. He appealed to the American Association for the Advancement of Science (AAAS) to revoke the membership that had been granted to the Parapsychological Association. Then he trained his sites on Sarfatti, Rauscher and company, denying the possibility of quantum interconnectness between separate consciousnesses, calling it "moonshine". He joined forces with (naysayer) Martin Gardner. HHSP.

746 George Wheeler resident of Elmwood Wisconsin. "zapped" by a UFO and died within a year: Blum- Out There

747 John White HANDSOL: His book "Future Science" lists 97 different cultures that refer to auric phenomena with 97 different names.

748 David Gordon White TSN: Tantric expert, writes of flying temples (vimana), royal airships, of open air circular temples, where contact with the fierce female beings from the sky (yoginis) were described as descending from the sky to abduct, terrify, sexualize, and spiritually awaken the aspirant. TSN

749 E. T. Whittaker

750 Eugene Paul Wigner BIOG2: [1902- 1995] Received the Nobel Prize in Physics in 1963 "for his contributions to the theory of the atomic nucleus and the elementary particles, particularly through the discovery and application of fundamental symmetry principles". Wigner is important for having laid the foundation for the theory of symmetries in quantum mechanics as well as for his research into atomic nuclei, and for several theorems.

751 Kenneth Earl Wilber BIOG2: [1949-] American author who writes on psychology, philosophy, mysticism, ecology, and spiritual evolution. "He is the author of over a dozen books, including "Sex, Ecology, Spirituality; The Spectrum of Consciousness"; "Up from Eden", and "Grace and Grit. The Spectrum of Consciousness", written when he was twenty-three years old, established him as perhaps the most comprehensive philosophical thinker of our times." He

is credited with developing a unified field theory of consciousness—a synthesis and interpretation of the world's great psychological, philosophical, and spiritual traditions”. In 1998, he founded the Integral Institute, for teaching and applications of his “Integral Theory of Consciousness.” INFINMND: According to Wilber, the material realm is the least fundamental, with less reality than life, mind, or spirit. P. 214

752 David Wilcock BIOG2: Professional lecturer and filmmaker on ancient civilizations, consciousness science, and new paradigms of matter and energy. His application of science is consrial.

753 Maurice Wilkins

754 Richard Williams BIOG2: Physicist with the David Sarnoff Research Center in Princeton New Jersey who submitted an article to the Journal Physics and Society criticizing the HAARP project: "HAARP will dump enormous amounts of energy into the upper atmosphere. We don't know what will happen," says Williams. "My concern is its effect on a global scale - you can't localize the effects. With experiments on this scale, irreparable damage could be done in a short time. The immediate need is for open discussion. To do otherwise would be an act of global vandalism." [Popular Science ] magazine. Copyright 1995 Times Mirror Magazine, Inc.] “Williams came up with a pithy one-word description of the concept:- skybusting” [Angels Don’t Play This HAARP Earthpulse Press 1995 p. 35.] Caroline Herzenburg of Argonne National Laboratory replied to the Journal article.

755 Price Williams suggested that Skinner’s research might have a bearing on a discussions of human reactions to ufos..

756 Edward O. Wilson

757 Daniel Winter BIOG2: Said to have graduated with honors at Jesuit University of Detroit, and to have pursued graduate studies in psychophysiology, and the origins of languages. Mr. Winter is said to have developed "Crystal Hill Farms” in Eden , New York where thousands of people attended his workshops. Mr. Winter was the subject of a plagerism law suit brought by the Meru foundation, resulting in the web site Danwinter.com being placed under the control of the Meru foundation in 1998.

758 Edward Witten BIOG2: Many physicists consider Ed Witten to be Einstein's true successor. A mathematical physicist at the Institute for Advanced Study in Princeton, New Jersey, Witten has been awarded everything from a MacArthur "genius grant" to the Fields Medal, the highest honor in the world of mathematics. His contributions to string theory have been myriad, including the demonstration that the five different variations of string theory competing with one another in 1995 actually all belonged under one umbrella.

759 Peter Woit BIOG2: A critic of String Theory who has argued that the discovery of the Higgs Boson may not live up to all the hype, at least not anytime soon. Although the bigthink video interview with Woit is not impressive, Woit is the author of the book Not Even Wrong: The Failure of String Theory and the Search for Unity in Physical Law, 2007, Basic Books, with 4 out of 5 stars from 93 reviewers, including physicists, as of May 2018 at Amazon.com

760 Fred Alan Wolf HHSP: a member of the FFG, and associate of David Bohm and Jack Sarfatti. NPM: In a 1989 Journal of Theoretical Biology article, Fred Allen Wolf showed that the dynamics of vesicles (thin walled sac) of our nervous system synapses are subject to the uncertainty principle, and may thus be governed by the principles of quantum physics

761 Stephen Wolfram BIOG2: 1959- Born in London and educated at Eton, Oxford and Caltech. He received his PhD in theoretical physics in 1979. In the 1980’s he made a series of discoveries about systems known as cellular automata. In 1986 he founded Wolfram Research, Inc. and began his Mathematica, a leading software system for technical computing and symbolic programming. (From book jacket). Wolfram calls the cellular automata programs

“simple programs” and argues that the scientific philosophy and methods appropriate for the study of simple programs are relevant to other fields of science. The thesis of his book “A New Kind of Science” (NKS) is twofold: The nature of computation must be explored experimentally, and the results of these experiments have great relevance to understanding the natural world, which is assumed to be digital. Since its crystallization in the 1930s, computation has been primarily approached from two traditions: engineering, which seeks to build practical systems using computations; and mathematics, which seeks to prove theorems about computation. However, as recently as the 1970s, computing has been described as being at the crossroads of mathematical, engineering, and empirical traditions. Wolfram introduces a third tradition, which seeks to empirically investigate computation for its own sake, and asserts that an entirely new method is needed to do so. To Wolfram, traditional mathematics was failing to meaningfully describe the complexity seen in the systems he examined. He argues that the concept of computational irreducibility (that some complex computations are not amenable to short-cuts and cannot be "reduced"), is ultimately the reason why computational models of nature must be considered in addition to traditional mathematical models.

762 Mark Woodhouse BIOG2: Associate Professor of Philosophy Emeritus at Georgia State University, where he taught courses in the history of philosophy, metaphysics, consciousness studies, Eastern thought, parapsychology, and the New Paradigm literature. He has also participated in scientific, spiritual, and healing communities, and presented at thirty national conferences, including the Whole Life Expo, Scientific and Medical Network, International Society for the Study of Subtle Energies and Energy Medicine, New Science, Toward a Science of Consciousness, and International Futures Forum, as well as the American Philosophical Association. In his book *Paradigm Wars*, he offers both critical and visionary analyses of a wide spectrum of current transformational challenges. In it he has developed a theory of the mind-body relation and of the integration of science and spirituality.

763 James Woodward

764 Olga Worrall healer

765 Chen Ning Yang

766 Kunio Yasue BIOG2: Building on the quantum field theory developed in the 1960s by the Japanese physicist Hiroomi Umezawa, Yasue et al have developed a "quantum neurophysics" that explains how the classical world can originate from quantum processes in the brain. Yasue believes that several layers of the brain can host macroscopic quantum processes, whose quantum properties explain consciousness and cognition FIELD: Yasue, of the Research Institute for Information and Science, Notre Dame Seishin University in Okayama, found that water molecules have some role to play in organizing discordant energy into coherent photons; a process called superradiance. Independently of Hameroff, he and his colleague Mari Jibu concluded that messaging in the brain must take place through fields along the microtubules in cells. His equations, showed that brain processes occurred at the quantum level, and that the dendritic networks in the brain were operating in tandem through quantum coherence.

767 Francis Yates Author of "The Roscrucian Enlightenment ".FORBIDU: She demonstrated that the Renaissance was largely motivated and driven by 'occult philosophy', which was based on three sources: Neoplatonism, developed in Alexandria Egypt in the second and third centuries CE; a Christianized version of the Jewish Cabala; and, the most important source, Hermeticism, the philosophy attributed to the legendary Hermes Trismegistus; (Thrice Great Hermes)

768 Gary Young [<http://www.earthpulse.com/src/subcategory.asp?catid=7&subcatid=6>]: According to earthpulse website, in 1992, Dr. Gary Young and Bruce Tainio of Tainio Technologies (an independent division of Eastern State University in Cheney, Wa.) began to accurately measure the electrical frequency of essential oils. They verified that essential oils have a bio-electrical frequency measurable in hertz, megahertz, and kilohertz. Therapeutic quality essential oils contain electrical frequencies that are several times greater than the frequency of herbs and food. For example,



measuring in Hertz, living foods' (foods which have not been cooked), have a frequency of about 29Hz. Cooked foods have a frequency from 0-15 Hz, dry herbs from 15-22 Hz, and fresh herbs from 20-27 Hz.<sup>5</sup> Essential oils start at 50 Hz [essential oil of birch resonates frequency of skeletal structure] and go as high as 320 Hz [Turkish rose oil]. Note similarity of nutrient frequency concept to Dr Valerie Hunt

769 Thomas Young BIOG2: British physician and physicist who in 1801 performed the "Double Slit Experiment", which seemed to prove that light was a wave. He passed a thin beam of light through two slits and allowed the resultant to fall on a blank screen. A series of light and dark bands resulted, from the constructive and destructive interference of the light. However, in 1839, the "photoelectric effect" was first observed, in which a light (or EM) source falls on a metal plate, and electrons are emitted, which suggests light also has particle properties

770 Arthur Young First to help out with FFG funding was Arthur Young, designer of the Bell helicopter. Successful, Young backed away from engineering and turned to other passions from undergrad days: philosophy, Jungian psychoanalysis, and Eastern spirituality. He also opened the Berkeley Institute for consciousness research, and in 1973 his intellectual journey brought him squarely back to modern physics. He argued that science could best serve mankind by merging the insights of quantum theory with psychology and perhaps ESP, He hosted Puthoff and Targ and Henry Stapp, charter member of the FFG, regularly. They were joined by philosophy professors and an eccentric computer scientist from a neighboring university to form the "Consciousness Theory Group"

771 Jennie Zeidman ROS2DAY began as Hynek's teaching and research assistant. She worked for Project Stork at Battelle and Project Bluebook at WPAFB. She also investigated whether Battelle studied alien artifacts.

772 Anton Zeilinger INTENT: of U of Vienna, found that that large and asymmetric molecules up to 100 atoms created an interference pattern with themselves. ie exhibit wave particle duality

773 Yakov Zel'dovich

774 Linda Zimmerman

775 John Zimmerman BIOG2: Developed the SQUID (Superconducting Quantum Interference Devise), which can detect extremely weak magnetic fields. In one of his experiments, carried out in 1970 with David Cohen at MIT's National Magnet Laboratory in Cambridge Mass., the hearts magnetic field was shown with vivid clarity, and was still detectable 15 feet from the body.

776 Danah Zohar NPM: In Zohar's model, chemicals within the blood cause alignment of EM force particles within the molecules of the brain's neurons. A unity of consciousness is created when molecular dipoles are so well aligned as to create the fully coherent pattern of a Bose-Einstein Condensate. Thoughts, perceptions, and emotions are ripples on that condensate.

777 Gary Zukav HHSP: FFG associate and New Age author. AQCON: Stated: "Bell's theorem not only suggests that the world is quite different than it seems, it demands it". But others would argue that macroscopic reality may be quite different from subatomic reality.

778 Chuck Zukowski: BIOG2: : Zukowski is the hero in Ben Mezrich's non-fiction book, The 37th Parallel. Zukowsky was fired from his job as a sheriff's deputy, relating to his research on cattle mutilation, and disinformation broadcast by Fox news on a cattle mutilation case. Zukowski continued to study UFO reports and cattle mutilation, and found that many occurred on The 37th Parallel.

779 Plato ZZHistorical

780 Plotinus ZZHistorical

781 Bernard of Clai