

intend to demonstrate a full working model of the device at this conference. Sweet's detailed theoretical treatment will be completed and submitted to a major journal shortly, to complete the scientific exposition of the new methodology. I must also express my deep admiration for my brilliant inventor colleague. It has been a privilege to work with him, though under great difficulties and at a distance. He has developed several other related devices that are of great importance to the emerging new physics of vacuum engineering, in the sense referred to by Lee. [ref. 9] To mention just one, he has produced a magnetic lens which apparently can directly display the vacuum's virtual particle flux, or a good analog of it. So far as I am aware, this is the only extant instrument today that can perform this feat. When the vacuum triode has been proven to the scientific community, it is my intention to nominate Sweet for the Nobel Prize he so richly deserves, and seek high scientific endorsements for the recommendation.

INTRODUCTION

Entropy as is well known, in any closed dynamic system the order existing in it will gradually be dissipated, as more and more interactions occur. This leads to the notion of entropy as the increasing disorder in such systems. The assumptions are (1) a closed system, and (2) a positive flow of time for the components of the system. Actually no such thing as a completely closed system exists in nature. Every mass system is open to virtual particle flux exchange with the vacuum, for example, particularly in the nucleus of its atoms, where the bulk of its mass is located. However, the closed system assumption is reasonably approximated by a great many systems which are in stable thermodynamic equilibrium, or nearly so. On the other hand, in an open system far from thermodynamic equilibrium, the second law of thermodynamics does not necessarily apply, because the system violates both the closed system assumption and its equilibrium approximation. [ref. 10].....

CONCLUSIONS

A new unified field theory has been developed, tested, and at least partially verified experimentally. The concepts of the theory have been applied by Sweet in a series of inventions that produce readily usable, safe electromagnetic power directly from the vacuum. The methodology lends itself to formulation of power devices without moving parts. Antigravity, predicted by the concepts of the theory, has been demonstrated in actual practical demonstrations on the laboratory bench. Though not discussed in this paper, application of the concepts and methodology to a large variety of other fields, such as medical reversal of aging and curing of almost the entire range of present debilitating diseases, has been previously pointed out. [ref. 23] We have also pointed out the mechanism for **Kaznachev**'s cytopathogenic effect, or the induction of cellular pathology at a distance by electromagnetic means. [ref. 24] We have also pointed out the specific mechanism involved in **Priore**'s device, which in rigorous laboratory animal testing under the auspices of eminent French scientists, demonstrated nearly 100 percent cures for terminal cancers and leukemias, sleeping sickness, arteriosclerosis, and other debilitating diseases.[ref. 25] We believe we have also produced the concepts enabling the direct engineering and therapeutic manipulation of **Popp**'s master cellular control system. [ref. 26] We conclude that the concepts we have utilized and experimentally demonstrated are universal, as implied by any notional unified field theory. Our conclusion is that the concepts, theory, and experiments, taken together, are sufficient for investigation and replication by the scientific community. If replicated and fully substantiated, we believe the work will directly point the way to, and usher in, a new unified field theory physics of universal application.

SPECULATED IMPLICATIONS

As can be seen, the implications of the new approach are profound. The authors believe they have ushered in the forerunner of a vast new physics, one which will change our lives, and our view of physical reality, in ways previously undreamed of. By mastering, controlling, and gating the vast, incredible energy of the seething vacuum, we can power our automobiles, flying machines, and technology inexhaustibly. Further, it can be done absolutely cleanly; there are no noxious chemical pollutants to poison the biosphere. With practical antigravity, ships can be developed to cross the solar system as readily as one crosses the ocean today. And the ships, automobiles, and technology will never run out of fuel; the inexhaustible vacuum fills every system, everywhere, to overflowing.

Not discussed in this paper, it turns out that living systems, faced with the problem of achieving negentropy so as to maintain their form in a dissipative external physical reality, have always used the hidden internal channel for such things as mind, thought, cell control, and living functions.

With the new methodology, one now faces the advent of access and engineering of the mind and life of the observer as readily as the observer's physical body. Transmutation of the elements, control of the weather, lighting and powering our cities and homes cheaply and cleanly, and provision of plenty for everyone is the vista for the future. We can in fact clean up the radioactive wastes, rid ourselves of coarse nuclear and petroleum powerplants. We strongly stress that, with the ability to engineer the Schrodinger equation itself, the new methodology allows the direct engineering and control of quantum change, and hence of physical reality itself.

The methodology is extendable to **hyperdimensions**; nested virtual levels of the vacuum are already precisely that. The author has already pointed out the application of this emerging technology to the absolute cure of diseases such as AIDS, cancer, leukemia, etc., and shown that the Priore device in France already proved the efficacy of the application in the 60s and 70s. We shall be able to rid ourselves and our descendants of diseases. With direct access to the actual software of life and mind, in the future we should be able to achieve levels of education previously unattainable, by directly inputting the relevant software.

Previously we have also pointed out that *four nations* of the world are already embarked on weaponization of scalar EM unified field technology. It is sobering to think that, in addition to having the ability to make our planet a paradise for humankind, we also

will have the ability to make it a hades. For that reason, we are doing our best to clarify the technical concept and the theory in this 1991, hopefully with the view that humankind will seize upon the positive aspects, and develop and apply this technology for the betterment of all people everywhere. Long ago, Albert Einstein said these words: "It would of course be a great step forward if we succeeded in combining the gravitational field and the electromagnetic field into a single structure. Only so could the era in theoretical physics inaugurated by Faraday and Clerk Maxwell be brought to a satisfactory close." And Teilhard de Chardin wrote: "Someday, after we have mastered the winds, the waves, the tides and gravity, we shall harness for God the energies of love. Then for the second time in the history of the world man will have discovered fire." The authors fervently believe they have come upon fire for the second time, as allegorized by de Chardin. If so, let us all use the knowledge wisely.

BACK

Scalar Electromagnetics and Weather Control

The following is one example of correspondence between [Tom Bearden](#) and persons interested in some of the applications of his Scalar Electromagnetics theories

[Note - Bearden is now calling his system **Energetics** and refers to it as a subset of [Superpotential Theory](#)]

Subj: Re: Anomalous weather worldwide

[Abridged]

Date: 98-05-26 13:39:18 EDT

The **anomalous weather worldwide is not accidental**. In superpotential theory, which was initiated by a paper by [E.T. Whittaker](#) in 1904, it is possible to produce EM force fields and force field energy at a distance. Whittaker 1904 showed that all EM fields and waves can be decomposed into two scalar potential functions. It follows that, by assembling two such scalar potential functions in beams, one can produce a "**scalar potential interferometer**" where the potential beams intersect at a distance. In that interference zone, ordinary transverse EM fields and energy appear.

A **scalar potential** is also just a harmonic assembly of bidirectional longitudinal EM wavepairs, as shown in a paper by E.T. Whittaker the year before, 1903. So one can produce the necessary longitudinal waves, in arrays, to "assemble" a scalar potential with any desired interior LW composition. Thus by using longitudinal EM waves (LWs), one can produce potentials, fields, and waves to order. It turns out that a longitudinal EM wave, since it cannot vary transversely a priori, cannot vary its 3-spatial energy density. Instead, it must vary in the time domain. What results is that one has created an oscillation of the curvature of spacetime, when one makes a longitudinal EM wave.

Now one can engineer clusters of ST curvatures, by proper assembly of LWs. This is a very powerful general relativity, because the strong EM force is being used as the agent of ST curvature. This particular EM GR does not appear in the textbooks, but has been utilized by the Russian KGB in clandestine weapon development since the 1950s.

Here's how the weather engineering is usually accomplished:

First, take two scalar potential beam transmitters, separated on the necessary baseline to form a beam interferometer. Let them interfere at a distance. Now in that distant interference zone (IZ), there is an ambient vacuum potential (spacetime potential, or spacetime stress). If the electrical circuit grounds of the interferometer transmitters are biased ABOVE the ambient potential in the IZ, then scattering EM energy (heating) emerges in the IZ. This is the exothermic mode of operation. If the electrical circuit grounds of the interferometer are biased negatively below the ambient potential in the IZ, then convergent EM energy (cooling) emerges in the IZ. This is the endothermic mode of operation.

So by merely biasing the electrical grounds of a scalar potential interferometer, one can produce heating or cooling in the distant IZ. If one just "radiates," one produces distant steady heating or steady cooling. If one sharply pulses the interferometer, one produces a distant hot explosion or a distant cold explosion.

One can also, of course, form various forms of energy at a distance, including particularly hemispheric shells of energy and spherical shells of energy. Hundreds of these have been observed worldwide, from testing by the KGB weapons in Russia. There is one other characteristic that one needs to be aware of. Pure longitudinal EM waves have infinite speed and infinite velocity (see the summary papers by Rodrigues et al. on the Los Alamos National Laboratory website). In practice one makes a pseudo-longitudinal wave, so its energy is finite and its speed is finite, but it may have a velocity $v \gg c$.

A "scalar" potential is not a scalar entity at all. Instead, it's a bundle of bidirectional longitudinal waves, as shown by Whittaker 1903. Mass is composed mostly of empty space filled with potentials and fields, with a particle here and there, widely separated. On its own scale, a "mass" looks more like a giant solar system or the external universe. Mostly space, with fields and potentials. Well, since fields and potentials are nothing but just LWs anyway (W-1903 and 1904), then the stress potential of space is a superhighway for LWs. What this means is that "pretty good" LWs (i.e., sufficiently clean pseudo longitudinal waves) will pass right through the earth and ocean, with little attenuation and little interaction.

Now we are ready to see into **weather engineering**.

Focus the interference zone (IZ) on the other side of the earth (beam right through the earth and ocean) to a given desired area in the atmosphere. Bias your transmitters positively. You produce atmospheric heating in the air in the IZ, so that the air expands and you have produced a "**low**" pressure zone. Now use a second interferometer biased negatively, and place it at a distant IZ desired. In that IZ, you cool the air so that it shrinks and becomes denser, and you have created a "**high**" pressure area. Now place several such IZs, with the desired highs and lows, near a jet stream. The jet stream will be deviated toward a low and away from a high. By varying the transmitted energy and the IZ location (just move it gradually along), you can entrain and steer the jet streams, and therefore effectively "steer" the resulting weather.

Want to spawn **tornadoes**? Just make several sharp bends in the jet streams, and also speed them up a bit. The additional angular momentum imparted to the air masses will spawn off littler rotations (tornadoes). By focusing the IZ underneath the ocean, one can heat or cool the water in a selected area, over a period of time. So you can **aggravate or ease El Nino**, e.g. By proper steering and coordination around the earth, the KGB is able to create a great deal of rain in an area, a drought in an area, storms and tornadoes, a powerful El Nino, etc.

Want to really mess with the troops? **Just focus the IZ in a large fault zone** -- say such as the San Andreas fault in California. Use the exothermic interferometry mode. You deposit energy slowly in that fault zone. The stress increases. Eventually the plate edges shift, and you have an **earthquake**. If you want a very powerful quake, put the energy in gradually, so that a sort of "overpotential" or "overpressure" builds up, past where the rocks would normally slip. Then when they let go, you've got a real nice big one. You can see what might happen if one also toys around with a sleeping volcano.

On July 4, 1976 the KGB began its massive and continuing weather engineering over North America. It continues to this day. So the anomalous weather everyone is worrying about, is going to STAY anomalous. In fact, it's going to get a bit worse. [There's a whole war going on out there.](#)

It might surprise you, e.g., that electrodynamics actually has nothing at all to say about the form of its EM entities in space, where there is no mass. [Maxwell](#) assumed a material ether, and all his EM entities are mass-containing. The force fields are rigorously defined only in the presence of mass, and only as the INTERACTION of the spacetime disturbance with an intercepting charged mass. So Maxwell's EM still contains a material ether, even though the Michelson-Morley experiments destroyed a material space medium in the 1880s (after Maxwell was already dead). Not a single Maxwellian equation has been changed!

Rigorously, Maxwellian EM is a set of matter-to-matter transforms. Actually infolded inside its transforms are a missing two: (1) matter-to-spacetime transform, which is really what is invoked when one launches a "signal" from a transmitter; one launches a spacetime curvature oscillation, not a force field oscillation, because no force fields exist in space in the absence of mass (Feynman, Wheeler, Aharonov, Bohm, Lindsay, Margenau, etc.) Then the ST perturbation propagates through space to the waiting receiving antenna. There it interacts with the Drude electrons, producing the well-known transverse EM oscillations. Since the electrons are constrained longitudinally down the wire and are spinning, they act as gyros. So they precess laterally, which is actually what we measure with our instruments -- the gyroprecession of the charges. So hidden inside the matter-to-matter EM they erroneously teach us, is an infolded general relativity (a matter-to-spacetime transform, followed by a spacetime-to-matter transform in serial order).

This is the "magical" unified field theory everyone has been seeking. The electrodynamics we teach is a piece of tripe, and the Russians just secretly corrected it back in the early 50s. And then they weaponized the daylight out of it. Today at least three other nations besides the KGB rogue group in Russia have **scalar potential interferometer weapons. The weather engineering is just one of the EARLY capabilities. The most powerful weapons on earth are not nuclear.** They are [quantum potential in nature](#), using a modified Whittaker EM to implement [David Bohm's](#) hidden variable theory of quantum mechanics.

Meanwhile, since our own electrical physicists have rather thoroughly failed us, and just keep teaching the horribly flawed old electrodynamics, we will continue to watch as the weather is hostilely engineered, as even earthquakes are engineered from time to time, and as another small nation which must remain unnamed, saves us and prevents our destruction.

Didn't know whether such things would even interest you, but thought I'd expose them anyway. **Most scientists are very uncomfortable with even the notion that something substantial is wrong with our physics texts.** But such is true. Until we do the necessary foundations overhaul, we will continue to teach and use a highly inferior science. And we will continue to see more and more anomalous weather. Incidentally, the KGB weapon scientists call the infolded LWs (curvatures of ST) inside electrodynamics, the **information content of the field**. Our guys just think they are referring to spectral analysis. The Russians call the entire science **energetics**.

You can see the earlier version of the Rodrigues paper in Foundations of Physics, 27(3), 1997, p. 435-508. Whittaker's papers are: (1) "On an expression of the Electromagnetic Field Due to Electrons by Means of Two Scalar Potential Functions," Proc. Lond. Math. Soc., Series 2, Vol. 1, 1904, p. 367-372; (2) "On the Partial Differential Equations of Mathematical Physics," Math. Ann., Vol. 57, 1903, p. 333-355. A summary of [superpotential theory](#) is given by Melba Phillips, "Classical Electrodynamics," Vol IV of Principles of Electrodynamics and Relativity, Ed. by S. Flugge, Springer-Verlag, Berlin, 1962, p. 1-108. Other scientists such as Debye, Nisbet, Bromwich, and McCrea contributed to the foundations of superpotential theory. An excellent and eye-opening paper is Patrick Cornille, "Inhomogeneous Waves and Maxwell's Equations," Chap. 4 in Essays on the Formal Aspects of Electromagnetic Theory, World Scientific, Singapore, 1992, p. 6-86. Highly recommended is T.W. Barrett and D.M. Grimes, Eds., Advanced Electromagnetism: Foundations, Theory, & Applications, World Scientific, New Jersey, 1995.

For a test of a **superweapon**, see Walker et al, "Kaitoku Seamount and the Mystery Cloud of 9 April 1984," Science, Vol. 227, Feb. 8, 1985, p. 607-6111. See also Daniel L. McKenna and Daniel Walker, "Mystery Cloud: Additional Observations," Science, Vol. 234, Oct. 24, 1986, p. 412-413. That incident on April 9, 1984 off the coast of Japan and near the Kuriles, was a huge test of (1) a cold explosion just over the surface of the ocean, which suddenly shrank the air so that surrounding air rushed in, meeting and surging upwards into the sky, entraining lots of water as a mist and dense cloud with it. Then a second test was conducted: a glowing sphere of light appeared in the top of the large mushroom cloud from the cold explosion. Then that spherical globe expanded, until it reached some 380 miles in diameter. The center of the globe at that time was about 200 miles altitude. That is written up in two fine articles in the respected journal *Science*.

This is the scale the KGB has been operating on, with these interferometry weapons. There are hundreds more such incidents or similar. Anyhow, thanks for sending me the updates on the actual weather occurrences. They do help from time to time.

Yours truly,
Tom Bearden

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What is "Scalar Electromagnetics"?

By Rick Andersen, 7/3/97

Scalar EM is the brainchild of Lt. Col. (retired) [Thomas E. Bearden](#), a systems analyst and wargames specialist who has been advocating a view of **electromagnetics which is based on the notion of a vast, unseen background of scalar energies** (as opposed to *vector* energies) **which underly all physical reality**.

What electrical engineers work with today, claims Bearden, is a *subset of a higher-topology EM*. Bearden claims that the four "Maxwell's Equations" taught today in electrical engineering are actually an over-simplified subset of [Maxwell's original work](#). The pruning was done by Oliver Heaviside in the late 19th century; Heaviside took Maxwell's original equations, written in Hamilton's quaternions (related to what we nowadays call spinors), and "simplified" them by lopping off the scalar part of the complex numbers, leaving the easy-to-work-with vector part intact-- which radio engineers loved. After all, the entire electronics industry as we know it grew out of the telephone/radio technologies of the early 1900's. Who can argue that the "vector" approach is inadequate?

Well, Bearden says that when Heaviside threw out the scalar part of the quaternionic EM equation, he unknowingly threw out the possibility of *unifying gravitation with electromagnetism*-- which has been a holy grail for scientists since Einstein himself wrestled with the problem. That's because the scalar part of the quaternion, according to Bearden, was the part that captured or modeled the "stress on the aether"-- which leads to curving/warping spacetime a la Einstein. Tom Bearden says we CAN unify gravity with EM, and convert back and forth between them, if we understand how vectors and scalars relate to one another and what the ramifications are.

Vector fields can evidently be assembled by properly interfering scalar potentials ([predicted in 1903-4 by mathematician E.T. Whittaker](#) and probably engineered by the Soviets).

Conversely, scalar fields can be created by destructively interfering vector fields, in a nonlinear medium. Varying the vector components rhythmically produces what Bearden calls "scalar waves". These ripples in spacetime are believed to induce a wavelike stress in the "aether"; this in turn leads to *engineering the structure of pure space and/or mass in a localized area*-- in other words, implementing General Relativity (spacetime curvature) on the lab bench!

Tom Bearden has gone on record, in several of his books published in the 1980's, to proclaim that the former Soviet Union had created a fantastic arsenal of mind-bending weaponry based on this scalar technology, which they called "*energetics*" and which Bearden claims was developed from certain discarded ideas originated by [Nikola Tesla](#). Now that the Cold War is apparently over, we're not sure how Bearden views his previous assertions, but we note that he has turned his attention away from Soviet scalar weapons and toward the production of "free energy" from the vacuum of space, using the principles of optical phase conjugation, but in a more generalized mode.

Here is the point:

If Bearden is correct in his Scalar EM theory, then we can build devices which would enable us to alter gravity, time, inertia, and the apparent mass of an object. This of course has ENORMOUS [implications for military applications](#), space-vehicle drives, time-travel, teleportation, [paranormal phenomena](#), and just about every other area one can think of.

The Big Question is, Will the 21st century see the acceptance, development, and implementation of Bearden's ideas (in plain public view, mind you), or will Scalar EM be found to have been just another dead end?... Do certain world governments have these devices NOW?... Bearden says at least "three other nations, not hostile to the U.S.," now possess Scalar technology.

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