

# Thomas E. Bearden

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## Who was Tom Bearden?

Thomas E. Bearden, known personally by many in the scientific community, has worked with them, has been their companion, and has been their friend.

Tom Bearden, a person with civil courage, moral and ethical values, who received disciplined, military training in the position of Lt. Col., with his

### **Working in different fields of work:**

- President of the American Association of Distinguished Scientists
- Nuclear engineer
- President and CEO of C-Tec Inc.
- Employed at an aviation company
- Ideas from Nikola Tesla; whom he considered a great genius
- tried to match the theory with the practice of “Over Unity Machines”
- a smaller part in anti-gravity
- medical applications (Bird, 2021)
- **but primarily on a new type of electromagnetics**

In search of the right concepts, the right words to form, and from them to develop the right theory, as well as its implementation in practice for the benefit of humanity. Far from the generally known academic belief in science, he continued his path with determination to present the physical knowledge gained from his work that would benefit people. He approaches the task without prejudice (Rogers, 2018)

## His primary approach to designing a new type of electromagnetics

James Clark Maxwell developed in his work "A TREATISE ON ELECTRICISM AND MAGNETISM" (Maxwell, 1873), with the mathematics of quaternions and quaternion-like equations (instituteofartandideas, 2024) based on the preliminary work of Hamilton (Hamilton, 1844), constructive on the theories of Euler (Euler), Rodrigues (Rodrigues, 1840) and Gauss (Gauss, 1819 (1900)), to represent 20 such equations with 20 unknowns. According to Tom Bearden, Maxwell's theory in quaternion form is the first documented unification of electromagnetism and gravity. As always, the problem of a brilliant scientist who is far ahead of his time is that his work is not understood by the other well-trained scientists of the respective era.

Oliver Heaviside (Heaviside, 1899), was the main actor among scientists at the time who were skeptical about the applicability of the new theory. Heaviside was of the opinion that Maxwell's theory compares "apples with oranges" and rigorously threw out the important and misunderstood scalar part of the equations. He simplified the theory, not only in favor of the then emerging vector analysis, to 4 symmetrical equations, 2 field equations and 2 material equations, for practical handling. Only one of the original Maxwell's equations Gauss's law was left. (Wikipedia.org, 2024)

Further, the physics, contained in the original asymmetric equations, was now described by a symmetrical, "beautiful" mathematics. As a result, Heaviside suppressed possible solutions, the essential information now literally disappeared in the "noise" or, to put it another way, in infolded solutions. The essential solution options that were no longer listed (Schopenhauer, 1816 (1961)) (Schauberger, 2012), but a workable working model, were now excluded. This ultimately led to a very simplified vectorized representation of Maxwell's theory as we know it and continue to teach it today. electrogravity is now thrown out and thus leads to further errors; the coupling mechanism between electromagnetism and gravity was missing.

Heaviside's decision, focused on the rapidly developing industrial progress at the time, was legitimate. The applicability for the average level of technical training and knowledge of "electrical engineers" at the time. With this decision, Heaviside probably prevented the development of the burgeoning application of electricity in all areas, e.g. the construction of the telegraph system, being delayed by at least 70 years.

Right for practice but wrong for teaching because from a mathematical and physical point of view you have done the following.

Mathematical, the asymmetrical ("unattractive") science has been turned into a symmetrical ("beautiful") science, which now contains a very small subset of the possible Maxwell systems that contain free energy, and only conservative systems represent, and additionally forced into a local equilibrium through re-normalization.

Physical, this assumption means that the energy changed freely from "out of nowhere". Now two new equal, opposite forces have appeared in the system. They cancel each other out and form a zero vector, thereby introducing additional stress. This system cannot give out more energy than you put into it.

The resulting consequences for the industrial society that developed afterwards were not realized. Inevitably, problems arose that completely overwhelmed future generations to solve. The now

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urgently needed solution options of the original Maxwell's theory are no longer available in this model.

Even today there is still an effort to adapt the laws of physics to the prevailing “spirit of time“ with “beautiful physics“ through symmetry. This critical working hypothesis is represented, among others, by the physicist Sabine Hossenfelder (Hossenfelder, 2022).

Because “everything is connected“ and therefore the “most fundamental foundation“ on which our 3D world is built, on electrogravity. Logically, this also has a fundamental influence on other scientific disciplines. Today there are possible solutions for the technical, biological, chemical and medical areas, e.g. local curvature of space-time that occurs in the macroscopic as well as in the local microscopic area.

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## Space-Time and Bearden's highly violent particle flow in vacuum (VPF)

It seems important to me at this point to write something about the concepts of space and time. The remainder of this report and the work of Thomas E. Bearden primarily refer to this "phenomenon." This is a complex concept that is difficult to imagine today, space-time, and is currently being explained via Minkowski space. But if you take the teachings of the Swiss psychiatrist and founder of analytical psychology, C. G. Jung. Jung comes to the following conclusion based on his own experiments and those carried out by Rhine. It looks as if space and time are psychologically related or that they are set by consciousness and therefore do not really exist at all. Through his literary studies, among other things, he comes to the conclusion that the ideas of space and time were a highly dubious thing among the indigenous peoples. It only became a "fixed" concept through intellectual development and measurements. If now through the intellectual necessities of the observer, apparently properties of moving bodies. Therefore, it is no longer a surprise that their relativization is within the range of possibilities and, in Jung's opinion, occurs when the psyche does not observe the body, but rather itself. One could well imagine a connection to Bearden's definition of a violent particle flow in vacuum (VPF). So, one could also have an interpretation of what A. Puharich (USPA, 1990) reported about his experiments with Uri Geller, among others.

Perhaps the experiments and as yet unexplained results can shed light on Jung's findings mentioned above or vice versa.

"If the concepts are wrong, the words are wrong and therefore the speech is also wrong."

## What scientific topic did Tom Bearden take up?

In his lectures, Tom Bearden repeatedly, referred to a quote from James Clark Maxwell in order to justify the idea he postulated of a “vacuum engine” which is based on the high-density, violent particle flux (VPF) in the vacuum through Maxwell's quote.

*There are physical quantities of other kinds that relate to directions in space, but which are not vectors. Stresses and strains in solids are examples of this, and the properties of bodies taken into account in the theory of elasticity and in the theory of birefringence.*

*James Clark Maxwell*

*Treatise of Electricity, PRELIMERY, p9-10*

Tom Bearden emphasized the following observations and consequently found it important to show that:

- Continuous change of material and shape:
  - Panta rhei, everything is in flux (here violent particle flux in the vacuum (VPF))
    - The vacuum flux energy (VPF)<sup>1</sup> (Casimir H. , 1948))<sup>2</sup>
      - Estimated energy density by physicists  $10^{108}$  J/c<sup>2</sup>, Wheeler estimated the energy density greater than  $10^{100}$  g (expressed in mass units AMU)
      - This high value drives everything (Bearden's “Vacuum Engine”) that we perceive as physical reality
    - Also known as zero-point energy<sup>3</sup> at absolute zero of 0° K
    - The ancient term “ether”<sup>4</sup>, which consists of a “thin material” in which stress can build up by the violent particle flux (VPF) in the vacuum with a high frequency.
- **The inexhaustible resources of the free and unlimited**
- Newton's third description known as the 3. law, is not a law because there is no mechanism that says action equals reaction<sup>5</sup>
  - it is the omitted returning resonance wave of an excited “string” with a soundboard.
  - At the time of the definition, remote action was excluded (div. authors, kein Datum)
  - According to Bearden's conclusion, half of the problem is neglected, thrown away, and the description with transverse waves is wrong, they are actually sound-like

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<sup>1</sup> Vacuum is not the “airless” space, but rather Minkowski's way of understanding empty space-time

<sup>2</sup>; e.g. lambda effect

<sup>3</sup> The free energy is homogeneous, isotropic and ubiquitous

<sup>4</sup> Fluctuations in electromagnetic energy require a very high frequency field energy to maintain the current view of quantum mechanics and interact with all elementary particles (Tom Bearden)

<sup>5</sup> The two sound-like longitudinal waves, shifted by 180°, behave like a plucked side of a musical instrument with a soundboard and differ in frequency and amplitude. The mathematical equations described by transverse waves no longer include the strongly damped backward wave. The reappearing, original anti-wave is interpreted as Newton's 3rd law, action equals reaction. There is no mechanism for this and therefore it is not a law; but a description. (Tom Bearden)

<sup>6</sup> The interaction principle can also be formulated in such a way that in a system consisting of several bodies, the vector sum of the forces between the bodies is equal to zero.

longitudinal waves as Tesla also proved. The representation in the textbooks is therefore incorrect.

- look for the definition of potential in the narrow sense scalar potential.

### Some of the key findings of his work:

- Maxwell formulated a unified field theory between electromagnetism and gravity in the 20 quaternion equations
- Electricity theory based on the mathematics of quaternions, which is a higher topology of algebra and therefore also involves a higher symmetry that is not feasible with vectors or tensors (Jain 108, 2012) (Vyawahare, Chouthaiwale, & Borkaonkar).
- Working with the high energetic VPF; based on Maxwells thin layer of “mechanical ether”
- The curved space-time is also present locally, i.e. in the macro and microscopic range as well.
- If one can create a local space-time curvature in the local macroscopic or microscopic, there are no irreversible energy conservation laws. The resulting stress in the “medium”, in the outdated term VPF, then forms gravity.
- **The voltage or squeeze threshold (also gravitational wave) is “stationary and oscillates” in the vacuum (atomic nucleus).**
- **The detectable fluctuations or variations or controlled variations are explained as controlled stress of the local energy density of the vacuum.**

Tom Bearden manifests his thoughts and work based on Maxwell's theory with the scientific works of E.T. Whittaker from 1903/4. (Whittaker, 1904). A scientific, conflict-ready mathematician, he already recognized the connections through the scalar potentials. For a long time, his outstanding scientific publications received no attention in the scientific, academic community of the time.

- **The results of Whittaker's published papers in 1903 and 1904:**
  - A scalar potential consists of a grid of bidirectional longitudinal waves.
  - Electromagnetic or gravitational fields and waves can be decomposed into two scalar potential functions.
  - The unification of quantum mechanics, general relativity and an ether theory in a single subject: ELECTROGRAVITY.
  - A scalar interferometer is created: a standing scalar wave structure.
  - This can be seen as an extended version of the Aharonov-Bohm effect.
  - The discovery of the fact that internal electro-magnetism is generally located entirely within the scalar potential and exists as “folded” harmonic sets of electro-magnetism pairs of antiparallel waves and anti-waves.
  - This internal electro-magnetism is contained in Maxwell's quaternion equations.
  - This results in the faster than light speed of gravitational waves.

## What consequences arose for our technologically-generated social development

Heaviside's measure had significant consequences that contributed to throwing us into a cultural and economic dead end as development has been going on for a long time. The original Maxwell theory has been given up to teach at Institutes are responsible for education and research. Which paved a very rocky path of "free research" regarding the use of "free energy" for the benefit of humanity for the reasons mentioned above. Notably since the 1990s, a major change has been documented by the younger generation, based on the advance work of the many pioneers in the field of free energy, e.g. Tesla, Golden, Schnurer, Hunt, Abrams, Reich, Hieronymus, Moray, Sweet, Bendini, etc., to name a few names. This could be seen as progress through modern computers in conjunction with Artificial Intelligence (AI).

- Most likely, these measures also prevented Albert Einstein and his first wife, Mileva Maric, from searching in vain and despair for a unification theory of electromagnetism and gravity (UniversitätHeidelberger ProfileHistorische Porträts, 2024)
- Based on the now beautiful equations of Maxwell's theory, although reduced from 20 unknowns to 4, Einstein continued his lifelong, hopeless search for it. It would be speculative that they were not aware of Maxwell's original work. A quote from Einstein's letters probably implies that his wife, Mileva Maric, played a key role in this work:

*How happy and proud I will be when we both have victoriously completed  
our work on relative motion together*

*Albert Einstein*

- Lorentz and many others, now based their theories on this new shortened representation of Maxwell's equations, and taught them because they were tied to this system. Ergo, there is no "Maxwell's demon", as further research has been carried out based on the greatly simplified Maxwell theory.

However, Jackson (Jackson, 2005) in his book, "Classical Electrodynamics," shows what faculty need to do to correct this. Still in the year 1998 no one has documented this in the past and it is still partly taught in academies today.

But there are always niches in which highly motivated inventors, as mentioned above, investigate the inexhaustible resources of the high-energy VPF. Shaped by the conviction of freedom of research, far from the "mainstream" of established research. This required a lot of personal commitment, moral courage, and compassion for people and nature (Schauberger, 2012). The application of their inventions is made by decision-makers, sometimes in the Machiavellian sense (div. authors, n.d.), and then independent from law and morality (Hellyer, 2016).

With his following statement, Tom Bearden joins many other open-minded people with his clear instructions, regarding ethics and morals for a free science in his words:



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*...If it (the experiment), is repeatable, reproducible, controllable and incompatible with the model of the scientific method after we have ensured that the experiment presented is real, and we must do this ourselves by conducting experiments. Then as scientists we are morally bound by the scientific methods to change the model. It's not a problem if there's something wrong with the current model. No model is perfect (consult Rogers and Goldman) With this in mind, we knew that according to Gödel's theorem....*

*Rare interview with Tom Bearden (Bearden T. , 2019)*

The two incompleteness theorems mentioned in the quote above, put forward by the Swiss mathematician Kurt Gödel, (Gödel, 2024), demonstrate how broadly Tom Bearden developed his field of work in an interdisciplinary manner.

**The first incompleteness theorem:**

Any consistent formal system within which some degree of elementary arithmetic can be performed is incomplete; i.e. there are statements in the language of the system that can neither be proven nor refuted within the system (Raatikainen 2020, 2021)

**The second incompleteness theorem:**

This canonical consistency statement of the system's cannot be proven within the system under general assumptions.

## Bearden's primary goal to create a new electromagnetics

Tom Bearden manifests his main findings this in his book "Gravitobiology" (Bearden T. E., Gravitobiology, 2003) and in numerous interviews with comments on some of the following key points:

- Whittaker's wave equations
- 3. Description of Newton:
  - Action equals reaction
- Electrostatic scalar potentials
- Theory of force-free fields
- Phase conjugation mirror
  - Using a non-linear medium
- Longitudinal waves in vacuum (space-time)
- Over Unity Machines
- Free Energy: (Veritasum, 2022) Dipole:
  - Negative charge produces energy and positive charge produces energy (Energy producing living being) pushes energy because it is taken from the vacuum in terms of particle physics
- In his rare interview in 1998 (Smitha, 1998) explanation for one of the possible mechanisms regarding the
- inexhaustible resources of the free and unlimited
  - 1. Do not separate the dipole
  - 2. To generate a time reversal wave using nonlinear resistors in a small consumer connection area (Trong, 2019)
- Faster than light speed
  - e.g. Mozart Music Experiment (Nimtz G. , 2024)
- The concept of time is not an absolute
  - you don't just observe a progressive, registerable change over time (path, digit change and numerous internet presences)

## His appeal to humanity

Below are some essential points that could be characterized as a mental spiritual superstructure for his scientific research as a guiding principle. You can perhaps rudimentarily estimate his literacy and his social and emotional intelligence based on his clues and references. Not only the intensive interdisciplinary literature research, far beyond the subject area, his responsible openness, openness to contact with people in general, and factual, unbiased approach to all topics that he encountered on the way to his scientific work. (div. authors, 2024)

- When developing these technologies, it is always important to remember that it can be used for good and bad.
- Rupert Sheldrake first proposed the working hypothesis of the morphogenetic field<sup>7</sup>.
- Thought world and material world are real and exist at the same time.
- Destruction of humanity by one person possible.
- Forces of nature cause higher dimensions.
- Incompleteness of human knowledge; What is temporarily important is the information that is not “spoken”.
- Tom Bearden, figuratively speaking, left behind a scientific framework that no single person can fill; it is now the responsibility of future generations to continue and expand upon it.

Further information can be found by the lectures Tom Bearden's 1990 USPA lecture “Action at a Distance: Fundamental Mechanism of Radionics “ (Bearden T. E., Action at a distance: Fundamental mechanism of radionics, 1990)and “The Tom Bearden phenomenon” by Tom Valone (Valone, 2010)

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<sup>7</sup>Galileo Galilei should be added with his statement about the stars and their interpretation as “letters”.

## Morality and Science

If I am permitted to characterize in a kind of conclusion Tom Bearden's brilliant work with a few points, certainly not only in the sense of Schopenhauer (Schopenhauer, 1816 (1961)), Popper (Popper, 2010), (Rubik, 2023) or others mentioned in the article above. The many YouTube contributions by and about Tom Bearden gave some insights into his person, strength of character, moral courage, calmness, self-confidence, empathy, resilience, communication skills, awareness of his responsibility in his job. His appeal to humanity and the moral claim that scientists should have to bring about changes for the good; Because "nature" leaves it up to people to decide what we do with what we have to offer.

These three points seem important to me to understand because of Tom Bearden's beliefs expressed through his inspiring scientific works:

- ...as scientists, we are morally bound by the scientific method to change the model if it agrees with the reproduced, independently repeatable experiment
- ... panta rhei, to interpret the high-energy energy density flow as modern ether and to use over-controllable local and non-local space-time effects for people's good purposes.
- ... a new perspective will emerge, or a spiritual development will begin, further insights on the way to a very high sense of responsibility according to the words of the two philosophers Schopenhauer and Popper according to the quotes below:

In my opinion, the following quotes should complement Tom Bearden's life's work and illustrate how great and urgent the need for a rethinking of nature and humanity is.

- *The limit of the burden on the earth caused by the use of fossil fuels has now been reached and the safe, peaceful continued existence of civilization is at risk unless there is a rigorous rethinking of the now outdated archaic, classical way of thinking. There are and have always been pioneers who are at the frontier of science in theory and practice, as well as inspired inventors who are still investigating the forces that are "invisible" to us, with the aim of using them in a controllable way for the benefit of humanity, when there is a lack or lack of funding, but with great idealism.*

(Schauberger, 2012)

- *The world as will and imagination*

(Schopenhauer, 1816 (1961))

- *The growth of knowledge is best studied by examining the growth of scientific knowledge*

*Kar Popper, The logic of scientific discovery Routledge Classics, Preface to the first English edition, 1959, pp. XIX (Popper, 2010)*

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➤ *Education is the most powerful weapon to change the world*

*(Mandela)*

Last but not least, I would like to add that I ask for your indulgence if, as a newcomer, I have not mentioned some pioneers in this field with its inherent, progressive development that is constantly producing new realization possibilities, because the sum of the parts is not the whole.

Nowadays, knowledge is increasing very rapidly and doubling at ever shorter intervals. There is an information network and as a result, the mergers of institutions and system-relevant facilities of various kinds are becoming increasingly complex (Rubik, 2023). As a result, the proportion of those affected by the excess supply of unprocessed information is increasing; we suffer from TMI (too much information).

Edgar Mitchell, founder of institute of noetic sciences (IONS) (Mitchell, 1973) probably recognized the interplay between scientific knowledge and inner knowledge based on profound personal experiences. A larger team of multidisciplinary scientist's research consciousness and its effects on our lives. Pioneers exist everywhere and at the same time with the same thoughts without perhaps knowing each other. Pantha rei

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