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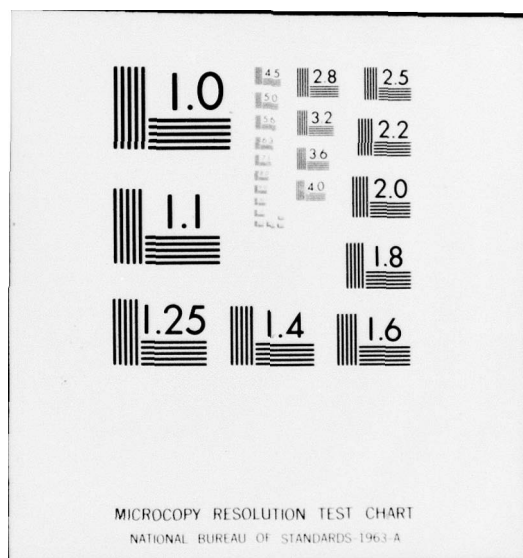
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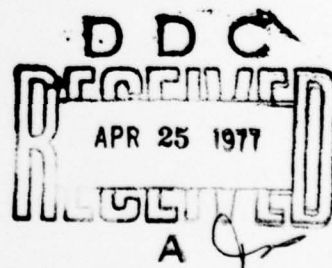
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PHOTON QUENCHING OF THE PARANORMAL (TIME)
CHANNEL: A BRIEF NOTE

Thomas E. Bearden

20 April 1977

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The photon interaction constitutes a time-differentiating operation imposed upon nonobjective, "paranormal", 4-dimensional spacetime reality, resulting in normal, 3-dimensional, spatial, "objective" reality, as shown by the two-slit experiment. Since mind occupies the same "objective" time dimension occupied by physical phenomena, then mind is objective. A mind may then be modelled as an ordinary physical 4-space frame or world co-temporal with the ordinary laboratory 4-space, but spatially separated from it by three or more orthogonal spatial rotations away in a higher dimensional n-space containing only a single time axis. → next page		

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19. (Cont'd)

psychotronics, quantum change, quantum physics, time, time oscillation, tulpa, tulpoid activity, two-slit experiment, ultraviolet, unidentified flying objects, visible light.

20. (Cont'd)

cont → Dynamic phenomena in such a mind world project minute crosstalk vectors (inception) into the real physical world and vice versa; these are normally so minute as to be virtual. One-to-one correspondence established in the two channels of crosstalk between a mind world and a physical structure in the laboratory frame constitutes a living biological system.

Time coherent collection of inception is an exponential effect (a function of the number of coherent stages) rather than linear; thus multistage time coherence can provide amplification sufficient to physically materialize a mental phenomenon if the paranormal channel (time channel) is intact and not squelched by photon interaction. Tulpas may then be objectified in a reality format determined by the modulations by all successive layers of unconsciousness between the collective unconscious and the personal conscious.

An hypothesis is advanced that photon squelching of the paranormal time channel is not linear, but varies in degree as a function of photon frequency. In the region from the infrared through the ultraviolet, it is hypothesized that the squelch effect is proportional to the spectral luminous efficiency of the average human observer's eye. Several unusual experiments are cited which support the hypothesis, and the works of Everett, Musés, and Kozyrev together with the author's perceptron theory and metalogic are cited as a basis for developing an engineering science for time-technology devices operating in hyperspace.

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PHOTON QUENCHING OF THE PARANORMAL (TIME) CHANNEL : A BRIEF NOTE

Thomas E. Bearden

This is a brief note to report an hypothesis which seems to be widely born out by experiments.

Co-temporal orthogonal frames have been used by this author to arrive at a mechanism for psychotronics and paranormal phenomena, including UFO's.¹ A four-law logic (metalogue) has been proposed to provide a logical basis for the model.^{2,3} Application of the four-law logic to explain the two-slit experiment, fundamental to all quantum physics, has been accomplished.⁴ The relation of the photon interaction to the creation of spatial objectivity has been pointed out.⁵ The connection of the photon interaction to primitive observation, and hence to the underlying separation of mind and matter and objectivization of human logical concepts has been stressed.⁶

Briefly, the photon interaction constitutes a time-differentiating operator imposed upon L^3T dimensionality (Minkowskian reality) which results in the creation of L^3 dimensionality (objective, spatial reality). Aristotle's three laws of logical thought are based on primitive observation, which in turn is in one-to-one correspondence to the situation where the photon interaction has been imposed and the time dimension destroyed, resulting in a "classical" or "objective" or "spatial" reality. Hence all our present logic, science, and mathematics are based upon this particular arrangement. As shown by the two-slit experiment, if the photon interaction is not allowed to occur, a fundamental particle refuses to behave in a classical, objective, spatial object manner; instead, it behaves in a nonclassical, nonobjective, wave manner if it is interacted with timewise.⁷

Mental phenomena occupy the same time dimension as do physical phenomena; however, the spatial dimensions of mental objects do not occupy or intersect the spatial dimensions of physical objects ordinarily. However, the time dimension is recognized by physics as objective; therefore, since the mind occupies at least one real "objective" dimension, it is objective rather than subjective. This suggests a model whereby mind is a real L^3T Minkowskian 4-space world, but one whose three spatial dimensions lie orthogonal to and outside the ordinary world's three spatial dimensions. The mindworld and the physical world then share in common the same time dimension. Dynamic movements in each world (mind and matter) result in an exceedingly small crosstalk being projected into the other world, but a crosstalk so small in magnitude as to normally be unmeasurable.⁸ Establishing one-to-one coherence between crosstalk from a mindworld to a physical structure and from that physical structure to the same mindworld constitutes the creation of a biological organism. The crosstalk from the mindworld to the physical world has previously been labeled inception by this author, and a mechanism whereby such minute psychokinetic effect on matter can be amplified to macroscopically observable level -- or even beyond -- has been presented.^{9,10} Thus a fundamental mechanism whereby tulpoid activity -- projections from the collective unconscious materializing into the ordinary physical world, in a format determined by the collectively higher levels of unconsciousness in the race, national group, culture, subculture, and personal unconsciousnesses -- can be developed and explained.¹¹

Prior to the intervention of the photon interaction, four dimensional reality thus has a great deal of "tulpaoid dither" riding upon its time dimension as a "minute modulation." Invoking the photon interaction invokes a time-differentiating operation, stripping away or suppressing the time dimension, resulting in a "spatial reality" or "objective reality" being perceived or observed, and in the process separating mind and body by destroying the only common connection or channel. Because of the time-squelching action of the photon interaction, one does not see time nor the mind in his ordinary physical observation. Also, one does not see the incessant stream of tulpaoid activity that bathes the time channel.

The time channel is thus the mental channel, and the paranormal channel. The photon interaction is thus the destroyer or squelcher of the paranormal channel.

This note is to advance the discovery that the squelch effect of light is not linear or constant, but is a variable and a function of the frequency of the light being utilized. From synthesis of a variety of data in diverse fields, the following hypothesis has been arrived at to fit the experimental evidence: The quenching of the hyperchannel (the paranormal channel or the time channel) by photon interaction is proportional to the spectral luminous efficiency of the eye of the average human observer in the interval from the infrared to the ultraviolet. Thus the form of the paranormal squelching effect of the photon interaction is given by the operator ϵ where

$$\epsilon = m \partial/\partial T$$

and where m is a parameter which varies as some function of frequency. Except for a constant of proportionality, the above hypothesis specifies m over the region from the ultraviolet to the infrared. In other regions of the frequency spectrum, the form of m must be determined by experiment.

Several experiments which fit the hypothesis are as follows:

1. Induction of death and disease patterns from test cells to environmentally shielded healthy cells.¹²
2. The invoking of specific tulpa "living forms" and photographing them in the invisible (to the eye) state with infrared film.¹³
3. Visible light revival of appreciable fractions of cells killed with ultraviolet light and kept in the dark, dormant, unreproducing, for up to 24 hours.¹⁴
4. A noted psychic's precise differentiation of the visible light spectrum (frequency region) where psychic seeing (i.e., similar to remote viewing) was "blacked out."¹⁵

A corollary to the stated hypothesis is that, under certain conditions, reflected light may reverse the effect. Thus the effect of the full moon, which reflects a great deal of sunlight, can immediately be appreciated. The effect is to the time channel, hence stimulation of this channel stimulates the "mental" effects. The effects of the moon (full) on romantics, lunacy, and deeper life functions controlled by the unconscious thus is grounded in a factual basis.

It also appears that there is a very good reason why animals tend to stay very closely to the infrared/visible light/ultraviolet region, with the eye usually adapted for the visible light region. In the infrared and ultraviolet regions, tulpoid phenomena would be readily visible or detectable, and an animal whose eye operated exclusively in one or the other of those areas would so often be distracted by the mental tulpoidal activity that it would prove disadvantageous to his personal survival against animal predators operating in the strongly squelched, visible light region. By the same token, animals whose eye operates further into the infrared and/or the ultraviolet than does the human eye are notoriously sensitive to paranormal phenomena before their manifestation to human observers.

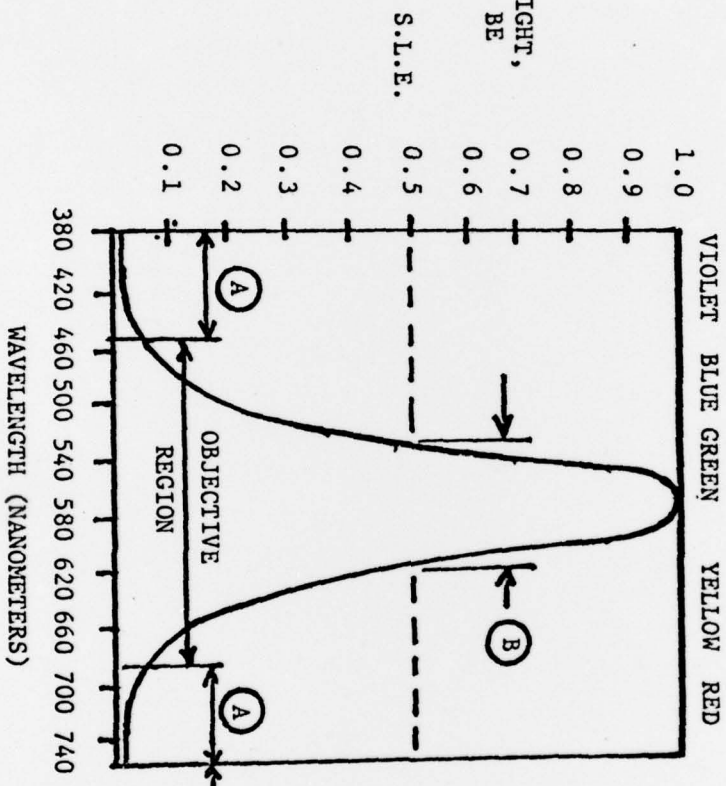
Finally, if we realize that the "paranormal" channel is the time channel, then the fundamental two-slit experiment of physics is itself a "paranormal" manifestation experiment. Thus when the photon interaction is invoked, a classical object and classical behavior result. When the photon interaction is not invoked, a nonclassical entity and nonclassical behavior result.

To understand the progressive modulation of the paranormal time channel tulpoid activity by the successive layers of unconsciousness lying between the collective unconscious and the personal conscious, one must understand that time is actually an oscillating carrier. This can quite simply be shown by an extract and repackaging of the author's perceptron theory.¹⁶ Briefly, for quantum change to occur, a quantum must be separated from the action continuum (unperceivable, since time is still attached to it, which makes it nonobjective and nonspatial), fissioned (split), and then the split fragments must be fused together again and the quantum placed back into the action continuum. The second diagram attached shows this action. When the extracted action quantum is split, a positive increment of time is freed (created) -- as indeed is a positive increment of length, if one examines the split of $\Delta p \Delta L$. This positive fragment of time then represents a "progression of time" along "time's arrow," or along the Minkowskian world line. But to get rid of the fragments requires an operation, just as did creating them in the first place. To get rid of them, they must be fused back together into a quantum and replaced in the action continuum. This constitutes the "reversing" or "destroying" or "getting rid of" the increment of time previously created; i.e., this is a negative time operation. So successive presentings of positive time increments creates "positive time," but their successive absents creates negative time. This author has already pointed out that positive time increments and negative time increments of identical magnitude annihilate one another, and they also subtract when a constant ratio between them exists.¹⁷ Thus time is a wave, when the alternate positive and negative cycles are considered. Further, time has a dynamic structure, which Charles Musés has pointed out,¹⁸ as has Kozyrev.¹⁹

From this author's perceptron theory,²⁰ mass may be defined in terms of the quantum fission and fusion activity of the time wave. This equation is shown on the second attachment. Note that coherent tulpoid activity, if sufficiently amplified by a mechanism detailed by this author,¹⁰ can affect the mass or the acceleration upon it, from examination of the time function appearing in the mass definition equation. The mechanism for psychokinesis and the mechanism for levitation (antigravity) lie in this aspect.

PHOTON QUENCHING OF THE PARANORMAL

NOTE:
IN REFLECTED LIGHT,
THE EFFECT CAN BE
INVERSED.

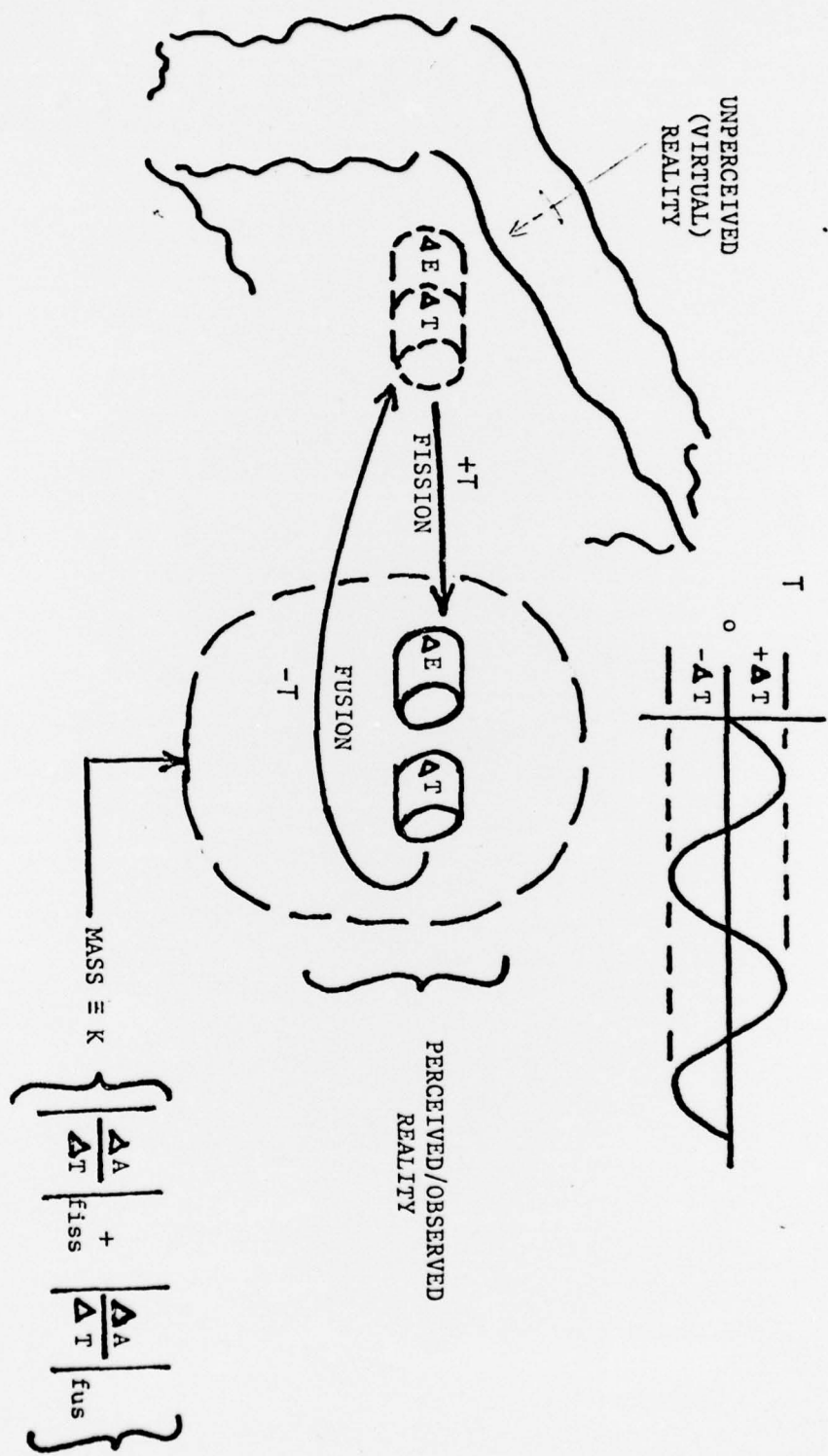


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SUPPRESSION OF THE PARANORMAL
CHANNEL BY THE PHOTON INTER-
ACTION INCREASES IN THIS
DIRECTION IN PROPORTION TO THE
SPECTRAL LUMINOUS EFFICIENCY

- (A) WEAKLY OBJECTIVE REGION
- (B) STRONGLY OBJECTIVE REGION

BEARDEN'S HYPOTHESIS:
THE QUENCHING OF THE HYPERCHANNEL (THE PARANORMAL CHANNEL) (THE TIME CHANNEL) BY PHOTON INTERACTION
IS PROPORTIONAL TO THE SPECTRAL LUMINOUS EFFICIENCY (S.L.E.) OF THE EYE OF THE AVERAGE HUMAN OBSERVER.

TIME OSCILLATION, QUANTUM CHANGE, AND MASS



NOTES AND REFERENCES

1. Thomas E. Bearden, An Approach to Understanding Psychotronics, DDC, June 1976, AD-A027 866.
2. Ibid.
3. Thomas E. Bearden, Writing the Observer Back Into the Equation, DDC, June 1976, AD-A027 867.
4. Thomas E. Bearden, Solution of the Fundamental Problem of Quantum Mechanics, DDC, January 3, 1977. The importance of the time interaction in explaining the two-slit experiment (i.e., in explaining wave-particle duality) was noted as early as 1957 by Charles Musés. Cf Charles Musés' introduction to Jerome Rothstein, Communication, Organization, and Science, Foreword by Charles Musés, The Falcon's Wing Press, Indian Hills, Colorado, 1958, p. lxii, where Musés pointed out that the celebrated wave-particle paradox remains a paradox only so long as the chronotopological phases of the phenomena are left unrealized in the analysis. The entire Foreword by Musés is a remarkable document which analyzes the structure of time itself.
5. Bearden, Solution of the Fundamental Problem of Quantum Mechanics, 1977.
6. Ibid.
7. A particularly good discussion of the two-slit experiment can be found in Richard P. Feynman, Robert B. Leighton, and Matthew Sands, The Feynman Lectures On Physics, Addison-Wesley Publishing Company, 1963, Vol. 1, pp. 37-1 to 37-12.
8. Bearden, An Approach to Understanding Psychotronics, 1976.
9. For an introduction to perceptron theory see Thomas E. Bearden, Quiton/Perceptron Physics: A Theory of Existence, Perception, and Physical Phenomena, DDC, March 1973, AD 763210. See also Thomas E. Bearden, A Conceptual Derivation of Einstein's Postulates of Special Relativity, DDC, 8 October 1975.
10. For the amplification mechanism, see Thomas E. Bearden, The One Human Problem, Its Solution, and Its Relation to UFO Phenomena, DDC, January 3, 1977, Appendix I: The Holographic Hyperchannel Effect. While the mechanism is developed for linked brain stages, it also applies to certain types of multistaged amplifiers, and to brain/nervous systems.
11. For an explanation of UFO's by this mechanism, see Bearden, Approach to Psychotronics, 1976. The more interest is taken in a particular tulpoidal manifestation, the more the format is impressed in multiple minds and multiple unconsciousness layers -- hence the more frequently the format is "tuned in." Eventually they can become stable and permanent. Candidates for such tulpoids presently on their way to being stabilized are the Loch Ness monster and the sasquatch. Particle physicists may in fact be creating their own reality as suggested by Josephson, by the same process.

12. V.P. Kaznacheyev et al, "Distant Intercellular Interactions in a System of Two Tissue Cultures," Psychoenergetic Systems, Vol. 1, No. 3, March 1976, pp. 141-142. See also V.P. Kaznacheyev et al, "Apparent Information Transfer Between Two Groups of Cells," Psychoenergetic Systems, Vol. 1, No.1, December 1974, p. 37.

13. Trevor James Constable, The Cosmic Pulse of Life, Merlin Press, P.O. Box 12159, Santa Ana, California 92712.

14. This process is presently considered to be lumped under the term photoreversal. It is a moot question whether cells are "living" if they have laid dormant for several hours or even 24 hours without any cell divisions at all having occurred. The effect of a given dosage of ultraviolet radiation on cells is known to be greater when the radiation is flashed than when the radiation is continuous. This has been interpreted as due to a thermal reaction following a primary photochemical reaction, since increasing the temperature accentuates the effect of flashing. However, this author suggests that flashing is directly related to the effect known as kindling where, when the limbic structures of the brain are repetitively stimulated, the entire nervous system of the organism responds and goes into resonance (seizure). Soviet experiments have shown that such flashing of a telepathic sender enhances the reception of telepathic information. In the 1920's and 1930's A.G. Gurvich and his students found that a yeast detector's threshold of sensitivity to mercury lamp radiation was about three orders of magnitude higher than the detector's threshold of sensitivity to radiation of the same spectrum from biological material. For a description of more modern work which may show a violation of the conservation of energy law, see L.L. Regelson, "A Paradox of Mitogenetic Radiation," edited by H.S. Dakin, translation available from H.S. Dakin, 3101 Washington Street, San Francisco, CA 94115. Regelson's experimental results point to the conclusion that the paradox observed with the mitogenetic radiation experiments is a universal physical phenomenon. In view of this and Kaznacheyev's results, the entire area strongly warrants intensive investigation. Note that Regelson's group was actually attempting to find a new solution to the problem of wave-particle duality, strikingly parallel to the present author's interest in the area.

15. H.E. Puthoff, private communication.

16. Bearden, Quiton/Perceptron Physics, 1973.

17. Thomas E. Bearden, A Postulated Mechanism That Leads to Materialization and Dematerialization of Matter and to Antigravity, DDC, 8 October 1975.

18. Muses, see note 4.

19. N.A. Kozyrev, "Possibility of Experimental Study of the Properties of Time," Pulkovo, O vozmozhnosti eksperimental'nogo issledovaniya svoystv vremeni, Russian, September 1967, pp. 1-49, JPRS 45238, 2 May 1968.

20. Bearden, Quiton/Perceptron Physics, 1973, p. 11.