

### Orgonotic Light Functions. 3. Further Physical Characteristics of Vacor Lumination (1948)

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As reported in this *Bulletin* 1, 1949, 9 ff., evacuated tubes (0.5 micron pressure) are capable of *bluish* lumination if they are sufficiently charged with orgone energy and are excited by a moving orgone energy field or by an electric tension of from 100 to 1000 volts. The following characteristics of the function of orgonotic lumination *in vacuo* have been secured in one special vacor tube:

1. With the two electrodes some 15 cm. apart (surface area ca. 2 cm.<sup>2</sup>), the bluish lumination begins at *both* electrodes and extends from both ends toward each other as the voltage is increased. The two luminating fields make contact with each other; then the field which is excited by the *negative* electric pole *extends* further; the other field, which depends on the *positive* pole, *recedes*, until it disappears altogether. It seems as if the negative electrode field were the stronger one, since it "pushes" the other one away. After disappearance of the lumination at the anode, and with further increase of the voltage up to about 800 to 1000 volts, the whole tube lumines strongly with a *bluish-violet* color. With further increase of voltage the lumination becomes brighter, until it shows a *whitish* color like daylight.

2. A static electroscope, attached with one wire only from the plate to the anode of the vacor tube, or to a third unconnected wire within the vacuum, demonstrates clearly that the lumination effect corresponds to a process of charge. Discharges occur in the form of very bright, whitish, rapid flashes of light between the two electrodes at intervals depending on the degree of the charge. The leaf of the electroscope *deflects* during steady lumination; it deflects more with higher excitation, and it *collapses* slightly with the single flashes, deflecting again when the flashes disappear. Therefore, it can be assumed that the steady orgonotic lumination represents a *charging* process, while the flashes represent *discharges*, i.e., lowering of the potential which has been built up during lumination. If we do not increase the steady lumination, flashes will occur nevertheless after a certain period of time.

3. In observing these vacor phenomena, one cannot escape the impression that what we are witnessing here is the PROCESS OF DAWN AND THE DEVELOPMENT OF DAYLIGHT. Their similarity in color and process is most impressive. However, only further experimentation can reveal what, in the atmosphere of our planet, corresponds to the "triggering" excitation which, in the vacor lumination, is exerted by the electromagnetic voltage. Our assumption has been that "LIGHT" is a *local* function, an orgonotic lumination effect; that the phenomenon of *light* must be separated from the excitation which triggers the orgone energy into lumination. We must assume that there are many kinds of such trigger functions, such as a second, *moving* orgone energy field, and electromagnetic tension whose trigger effect depends on the surface area of the electrodes (plates of 64 cm.<sup>2</sup> each require only 100 to 200 volts for their trigger function; the white discharges are more frequent at a much lower voltage); an as yet undefinable excitation coming from the sun, which triggers the earth's orgone envelope into bluish-violet and finally whitish lumination, called "DAWN" and "DAYLIGHT." I do not agree that it is electromagnetic waves which are propagated from the sun. We should not hurry to solve this riddle but wait patiently for further experimental disclosures. We can expect such disclosures from careful observations of cloud and thunderstorm formations.

4. The orgonotic lumination in the vacor tube is brighter, up to *white*, at the electrodes, and diminishes in intensity and changes toward blue-violet, the farther away it is from the electrode in a continuous scale of shades. (See photograph in *Bulletin*, 1949, No. 1.)

All vacor tubes which were built and exposed to concentrated orgone

energy before the big snowstorm at Christmas, 1947, reacted at the Geiger Müller Counter as described in my communication in *Bulletin*, 1949, No. 1. *All of these vacor tubes are still functioning in regard to blue lumination and high speed impulse output at the Geiger Müller counter (up to 18,000 per second).*

However, since the end of December, 1947, no new vacor tube showed any of the phenomena as described in the aforementioned communication. All through 1948, the 0.5 micron pressure vacuum tubes remained silent or showed only minimal orgonotic effects.<sup>1</sup>

It is difficult to explain this fact. It was responsible for my decision to publish only a preliminary communication, and to withhold a paper on the orgonotic motor force which is ready for print save for the unexplained fact of the amazing lack of charge in the tubes of 1948. It is possible that the charging was due to the fact that 1947 was a severe sunspot year. Should it be true that the vacor phenomena were due to sunspot activity in 1947, we would have to wait until the next sunspot cycle occurs to be sure of this. However, the fact that these tubes charged whereas the tubes of 1948 did not charge, would constitute a *corroboration* of the orgone phenomena in the vacuum, although it would be restricted to sunspot cycles. Another interpretation would require that, possibly, better vacua would have to be devised to demonstrate the phenomena at all times.

Whatever the answer may turn out to be, we are forced to follow the functions of nature as they guide us; in orgone research, most unusual, non-mechanical reactions are always to be expected.

January, 1949

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*What would you say of the leading philosophers here to whom I have offered a thousand times of my own accord to show my studies, but who with the lazy obstinancy of a serpent who has eaten his full have never consented to look at the planets, or moon, or telescope? Verily, just as serpents close their ears, so do men close their eyes to the light of truth. To such people philosophy is a kind of book like the Aeneid or the Odyssey, where the truth is to be sought not in the Universe or in nature, but (I use their own words) by comparing texts.—Galileo.*

<sup>1</sup> Note, April 7, 1949: One of the "dead" vacor tubes, a year old, reacted with lumination for the first time this date.

## **Projeto Arte Org**

### **Redescobrimo e reinterpretando W. Reich**

Caro Leitor

Infelizmente, no que se refere a orgonomia, seguir os passos de Wilhelm Reich e de sua equipe de investigadores é uma questão bastante difícil, polêmica e contraditória, cheia de diferentes interpretações que mais confundem do que ajudam.

Por isto, nós decidimos trabalhar com o material bibliográfico presente nos microfilmes (Wilhelm Reich Collected Works Microfilms) em forma de PDF, disponibilizados por Eva Reich que já se encontra circulado pela internet, e que abarca o desenvolvimento da orgonomia de 1941 a 1957.

Dividimos este “material” de acordo com as revistas publicadas pelo instituto de orgonomia do qual o Reich era o diretor.

01- International Journal of Sex Economy and Orgone Research (1942-1945).

02- Orgone Energy Bulletin (1949-1953)

03- CORE Cosmic Orgone Engineering (1954-1956)

E logo dividimos estas revistas de acordo com seus artigos, apresentando-os de forma separada (em PDF), o que facilita a organizá-los por assunto ou temas.

Assim, cada qual pode seguir o rumo de suas leituras de acordo com os temas de seu interesse.

Todo o material estará disponível em inglês na nuvem e poderá ser acessado a partir de nossas páginas Web.

Sendo que nosso intuito aqui é simplesmente divulgar a orgonomia, e as questões que a ela se refere, de acordo com o próprio Reich e seus colaboradores diretos relativos e restritos ao tempo e momento do próprio Reich.

Quanto ao caminho e as postulações de cada um destes colaboradores depois da morte de Reich, já é uma questão que extrapola nossas possibilidades e nossos interesses. Sendo que aqui somente podemos ser responsáveis por nós mesmos e com muitas restrições.

Alguns destes artigos, de acordo com nossas possibilidades e interesse, já estamos traduzindo.

Não somos tradutores especializados e, portanto, pedimos a sua compreensão para possíveis erros que venham a encontrar.

Em nome da comunidade Arte Org.

Textos da área da Orgonomia Física.

Texts from the area of Physical Orgonomy.

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International Journal of Sex Economy and Orgone Research  
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Orgone Physics  
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01 Wilhelm Reich. Thermal and Electroscopical Orgonometry 1941

International Journal of Sex Economy and Orgone Research Volume 3 Number 1 1944

Interval 6-21 Pag. 1-16

02 Wilhelm Reich. Orgonotic Pulsation I 1944

International Journal of Sex Economy and Orgone Research Volume 3 Numbers 2 3 1944

Interval 1-54 Pag. 97-150

03 Notes. The Orgone Energy Early Scientific Literature 1944

International Journal of Sex Economy and Orgone Research Volume 3 Numbers 2 3 1944

Interval 95-101 Pag. 191-197

04 Wilhelm Reich. Orgone Biophysics, Mechanistic Science and Atomic Energy 1945

International Journal of Sex Economy and Orgone Research Volume 4 Numbers 2 3 1945  
Interval 3-6 Pag. 129-132

05 Wilhelm Reich. Experimental Demonstration of Physical Orgone Energy 1945  
International Journal of Sex Economy and Orgone Research Volume 4 Numbers 2 3 1945  
Interval 7-24 Pag. 133-146

06 Notes Editorial. Is the Orgone Atomic Energy? 1945  
International Journal of Sex Economy and Orgone Research Volume 4 Numbers 2 3 1945  
Interval 80-81 Pag. 202-202

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Orgone Energy Bulletin  
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Orgone Physics  
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01 Wilhelm Reich Orgonotic Light Functions 1942-1944  
McF 208 Orgone Energy Bulletin, Vol. 1, No. 1. Jan. 1949  
Interval 5-7 Pag. 3-6

02 Wilhelm Reich A Motor Force in Orgone Energy 1947  
McF 208 Orgone Energy Bulletin, Vol. 1, No. 1. Jan. 1949  
Interval 7-9 Pag. 7-11

03 Wilhelm Reich Orgonotic Light Functions II 1947  
McF 209 Orgone Energy Bulletin, Vol. 1, No. 2. Apr. 1949  
Interval 2-4 Pag. 49-51

04 R. H. Atkin. The Second Law of Thermodynamics and the Orgone accumulator 1947  
McF 209 Orgone Energy Bulletin, Vol. 1, No. 2. Apr. 1949  
Interval 5-9 Pag. 52-60

05 Wilhelm Reich Orgonotic Light Functions III 1948  
McF 301 Orgone Energy Bulletin, Vol. 1, No. 3. Jul. 1949  
Interval 3-4 Pag. 97-99

06 Alexander Lowen. The Impressionists and Orgone Energy 1949  
McF 302 Orgone Energy Bulletin, Vol. 1, No. 4. Oct. 1949  
Interval 16-23 Pag. 169-183

07 Notes of the Orgone Energy Observatory 1950  
McF 303 Orgone Energy Bulletin, Vol. 2, No. 1. Jan. 1950  
Interval 26-27 Pag. 46-48

08 Jakob Baumann. Some Observations of the Atmospheric Orgone Energy 1950  
McF 304 Orgone Energy Bulletin, Vol. 2, No. 2. Apr. 1950  
Interval 16-20 Pag. 74-83

09 Wilhelm Reich Meteorological Functions in Orgone-Charged Vacuum Tubes 1949  
McF 306 Orgone Energy Bulletin, Vol. 2, No. 4. Oct. 1950  
Interval 17-21 Pag. 184-193

10 Myron R. Sharaf. From the History of Science 1951  
McF 307 Orgone Energy Bulletin, Vol. 3, No. 1. Jan. 1951  
Interval 20-22 Pag. 35-38

11 Wilhelm Reich. The Anti-Nuclear Radiation Effect of Cosmic Orgone Energy 1950  
McF 307 Orgone Energy Bulletin. Vol. 3, No. 1. Jan. 1951  
Interval 33-34 Pag. 61-63

12 Wilhelm Reich The Storm of November 25th and 26th 1950  
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Interval 8-9 Pag. 72-75

13 Wilhelm Reich Dowsing as an Object of Orgonomie 1946  
McF 309 Orgone Energy Bulletin. Vol. 3, No. 3. Jul. 1951  
Interval 13-16 Pag. 139-144

14 Wilhelm Reich Three Experiments with Rubber At Electroscope (1939) 1951  
McF 309 Orgone Energy Bulletin. Vol. 3, No. 3. Jul. 1951  
Interval 16-16 Pag.

15 Wilhelm Reich Integration of Visual Orgone Energy Functions 1950  
McF 310 Orgone Energy Bulletin. Vol. 3, No. 4. Oct. 1951  
Interval 4-12 Pag. 188-200

16 Wilhelm Reich The Geiger Muller Effect of Cosmic Orgone Energy (1947) 1950  
McF 310 Orgone Energy Bulletin. Vol. 3, No. 4. Oct. 1951  
Interval 12-29 Pag. 201-234

17 Wilhelm Reich The Orgone Charged Vacuum Tubes (vacor) (1948) 1950  
McF 310 Orgone Energy Bulletin. Vol. 3, No. 4. Oct. 1951  
Interval 29-45 Pag. 235-266

18 William Steig. Some Notes Inspired by Reich 1952  
McF 311 Orgone Energy Bulletin. Vol. 4, No. 1. Jan. 1952  
Interval 18-20 Pag. 32-36

19 Werner Grossmann. Observation of Orgone Energy Lumination 1952  
McF 311 Orgone Energy Bulletin. Vol. 4, No. 1. Jan. 1952  
Interval 31-32 Pag. 58-60

20 R. H. Atkin. A Space-Energy Continuum  
McF 314 Orgone Energy Bulletin. Vol. 4, No. 4. Oct. 1952  
Interval 16-21 Pag. 197-206

21 A. E. Hamilton. Childs-Eye View of the Orgone Flow 1952  
McF 314 Orgone Energy Bulletin. Vol. 4, No. 4. Oct. 1952  
Interval 25-26 Pag. 215-216

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Orgone Energy Bulletin  
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Orgone Physics 2 Accumulator  
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01 Walter Hoppe. My Experiences With The Orgone Accumulator 1949  
McF 208 Orgone Energy Bulletin, Vol. 1, No. 1. Jan. 1949  
Interval 10-15 Pag. 12-22

02 Notes Editorial. Regarding the Use of the Orgone Accumulator 1949  
McF 208 Orgone Energy Bulletin, Vol. 1, No. 1. Jan. 1949  
Interval 22-23 Pag. 37-38

03 Notes. Questions Regarding Orgone and the Orgone Accumulator 1949  
McF 209 Orgone Energy Bulletin, Vol. 1, No. 2. Apr. 1949  
Interval 20-20 Pag. 82-83

04 Notes. Questions and Answers Regarding the Orgone Accumulator I 1949  
McF 301 Orgone Energy Bulletin, Vol. 1, No. 3. Jul. 1949  
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05 Notes. Questions and Answers Regarding the Orgone Accumulator II 1949  
McF 304 Orgone Energy Bulletin, Vol. 2, No. 2. Apr. 1950  
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06 Administration of Cosmic Orgone Energy Accumulator 1952  
McF 314 Orgone Energy Bulletin. Vol. 4, No. 4. Oct. 1952  
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07 The Orgone Energy Accumulator, its Scientific and Medical Use, 1951  
McF 518 The Orgone Energy Accumulator, its Scientific and Medical Use, 1951  
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08 Construction of a Three-fold Orgone Energy accumulator and Five-fold shooter  
McF 520 Construction of a Three-fold Orgone Energy accumulator and Five-fold shooter  
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09 How to use the orgone energy accumulator  
McF 521 How to use the orgone energy accumulator  
Interval 1-3 Pag. 1-3

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CORE.

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Orgone Physics  
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01 Charles R. Kelley. Orgone Energy and Weather 1954  
McF 318 CORE. Vol. 7, No. 1,2. Mar. 1955  
Interval 20-35 Pag. 54-67

02 Werner and Doreen Grossmann. Wind Flow and Orgone Flow 1955  
McF 319 CORE. Vol. 7, No. 3,4. Dec. 1955  
Interval 11-18 Pag. 114-129

03 Maria Curie. Plant Response to Orgone Energy 1955  
McF 319 CORE. Vol. 7, No. 3,4. Dec. 1955  
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