

EXPERIMENTAL BIOGENESIS

"Cancer Cells" in Experiment XX

By WILHELM REICH

In the *International Journal of Sex-economy and Orgone Research* 4, 1945, pp. 133-141, it was extensively reported that freezing of orgonotically highly-charged water ("bion water") results in the production of plasmatic flakes. These flakes are capable of growth, development of bions and small bean-shaped protozoa, the so-called "*orgonomia*." This first report was reprinted in 1948 in *THE CANCER BIOPATHY* (pp. 51-63). The present report will add some significant observations to the above-mentioned first publications.

All the preparations which were made in early 1945 were kept alive during the past 5 years through regular refilling of fluid. Continuous microscopic observations were made through the years. Not much had changed between 1945 and 1949. Changes in the duration of the freezing process did not produce essentially different plasmatic flakes. We kept frozen bion water in the deep-freeze for more than three years without noticing any basic changes. Only a finer granulation was discernible in the flakes with longer freezing.

In early 1950 the first decisive changes were observed in one single Experiment XX preparation of 1945 (Exp. XX, 10c). There began to appear much larger, taut, and strongly luminating energy vesicles; they looked very much like the germ vesicles as they develop in old grass infusions resulting in amebae.



GERM VESICLES (1950) FROM EXPERIMENT XX (1945)

- a . . . . . Single, nucleated germ vesicle.  
 b . . . . . Single, striated germ vesicle.  
 c . . . . . "Nest" of germ vesicles.

No other preparation of Exp. XX in 1945 has yielded amebae so far. Let us first briefly discuss once more the possibility of so-called "air infection." This argument is erroneous for the following reasons:

1. No amebae can ever, or will ever, be cultivated out of the "air." Before we can talk about "infection" with regard to amebae, the proof must be adduced, and the air germ theorists carry the burden of proving that amebae can be obtained through air infection. It is not permissible to argue against proven facts with unproven contentions.

2. Two dozen preparations made in the same way and in the same year were kept together in one place. Some of these preparations had developed air impurities such as bacillus fusiformis and subtilis. However, preparation XX, 10c has remained sterile for years and was the only one in which amebae developed so far.

3. The process of development of amebae can be followed step by step by microscopic observation and by slow motion filming.



EXPERIMENT XX (1945), CANCER CELLS (1950)

(Apparent size at 300 to 500x)

- a, b . . . Typical caudate cancer cell forms.  
 c . . . . . Trichomonas vaginalis-like forms.  
 d . . . . . Flowing ameba with flagellae.

4. The most important fact is the similarity between these amebae and moving *cancer cells* as they are found in cancer mice at an advanced stage of development and also in excretions of cancerous human beings.

These are the forms and functions which make it most plausible that the development of amebae in preparation XX, 10c duplicates the development of cancer cells in animal tissue:

1. The shape of the mature cells are the same: plasmatic smooth structure, caudate forms with tails, movements along spiral or screw-shaped lines.

2. The germinal vesicles are indistinguishable from the heaps of immature cancer cells as they are found in cancer tissue. They also resemble the germ vesicles of amebae in grass infusions.

I had to compare the development of cancer cells in bio-energetically immobilized animal tissue with the development of protozoa in stagnant water. The edemas which so frequently develop in cancerous parts of the organism (ascites in gastrointestinal cancer, edemas of the extremities in inguinal and similar cancer developments, etc.) are, seen bio-energetically, stagnant areas of the organism where motility of body fluids and energy metabolism have ceased to function properly.

The development of amebae in Exp. XX of 1945 points to the possibility of cancer cells in human organisms developing out of stagnant organotically highly-charged fluids. This development would lead over the organization of bions to bion heaps, and from here onward to germ vesicles, and further to fully mobile amebae of a cancerous nature.

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*For the problems to be solved are precisely those which the physiologist and the naturalist omit to state. It is not so pertinent to man to know all the individuals of the animal kingdom, as it is to know whence and whereto is this tyrannizing unity in his constitution, which evermore separates and classifies things, endeavoring to reduce the most diverse to one form.*

—EMERSON

## **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 Bifísica.  
Texts from the area of Biphysical Orgonomy

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International Journal of Sex Economy and Orgone Research  
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Orgone Biologics  
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01 Walter Frank. Vegetotherapy 1942  
International Journal of Sex Economy and Orgone Research Volume 1 Number 1 1942  
Interval 70-92 Pag. 65-87

02 Wilhelm Reich. The Discovery of the Orgone 1941  
International Journal of Sex Economy and Orgone Research Volume 1 Number 2 1942  
Interval 12-36 Pag. 108-130

03 Wilhelm Reich. The Carcinomatous Shrinking Biopathy 1942  
International Journal of Sex Economy and Orgone Research Volume 1 Number 2 1942  
Interval 37-61 Pag. 131-155

04 Mary Robert. Shock Therapy as a Subjective Experience 1942  
International Journal of Sex Economy and Orgone Research Volume 1 Number 2 1942  
Interval 62-68 Pag. 156-162

05 Wilhelm Reich. The Natural Organization of Protozoa from Orgone Energy Vesicles (Bions) 1942  
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Interval 1-33 Pag. 193-255

06 William F. Thorburn. Mechanistic Medicine and the Biopathies 1942  
International Journal of Sex Economy and Orgone Research Volume 1 Number 3 1942  
Interval 65-66 Pag. 257-258

07 Theodore P. Wolfe. A Sex-Economic Note on Academic Sexology 1942  
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Interval 67-73 Pag. 259-265

08 Wilhelm Reich. Experimental Orgone Therapy of the Cancer Biopathy (1932-1943)  
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Interval 6-96 Pag. 1-92

09 Lucille Bellamy. Vegetotherapeutic Gymnastics 1943  
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Interval 49-55 Pag. 141-147

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15 Notes Editorial. Cold Facts. Orgone Accumulator 1945  
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16 Notes Editorial. Free Love 1945  
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18 Wilhelm Reich. Fron the History of Orgone Biophysics 1947  
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- 08 On The Record. Wilhelm Reichs Priority in Cancer Test 1950  
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Interval 3-4 Pag. 1-3
- 11 Orgone Biologics. Ruler to Follow in Basic Research 1951  
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18 Elsworth F. Baker. Genital Anxiety in Nursing Mothers. 1952  
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19 Arthur Steig. Orgone Energy Metabolism 1952  
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20 Wilhelm Reich Organomic Diagnosis of Cancer Biopathy 1952  
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21 Ola Raknes. Letter to Reich (1950) 1952  
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