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ORANUR PROJECT

THE ORGONOMIC ANTI-NUCLEAR RADIATION PROJECT
(ORANUR)

By
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PROJECT (ORANUR)

By WILHELM REICH

On December 3, 1950, a meeting was held in the research laboratory at Orgonon which dealt with the task of concentrating the work of the staff upon the *anti-nuclear* radiation effects of orgone energy.* The following medical effects of orgone energy were well elaborated and well known for many years, since about 1940. These effects had been summarized in a report given by Wilhelm Reich to the Trustees of the Wilhelm Reich Foundation at the annual meeting on August 30, 1950:**

"September 6, 1950

To the Board of Trustees
of the Wilhelm Reich Foundation
Orgonon, Rangeley, Me.

Gentlemen:

I am referring to the discussion we had at the last annual meeting on August 30, 1950, concerning the responsibility involved in conveying the importance of our knowledge about the medical effects of orgone energy in case of a renewed strenuous war effort. It is, especially, the great danger of damage by nuclear radiation which constitutes the main worry in the United States. It has been known to me and some of our physicians for a long time that orgone energy counteracts nuclear radiation. I would like to summarize the hope which is entailed in the medical efficiency of the orgone energy in the following points which are especially concerned with possible application against nuclear radiation effects:

1. *Blood System.* It is to be expected that a bio-energetically strongly charged organism will resist the damage inflicted by nuclear radiation much better than a bio-energetically weak organism. The bio-energetic strength of an organism is, according to observations over a period of about 15 years now, especially reflected in the behavior of the blood system, particularly the

* Cf. Reich: *THE CANCER BIOPATHY*, Ch. VIII, "Results of Experimental Orgone Therapy in Human Beings", pp. 263-290.

** Cf. *Orgone Energy Bulletin*, January, 1951, p. 61.

red blood cell system. It has been established beyond any doubt that by means of the orgone energy accumulator, the blood system can be charged bio-energetically to a very high degree. Thus, the bio-energetic strength and resistance of the organism are heightened. Many physicians working with orgone energy have found invariably that such chronic conditions as chills, colds and so-called low resistance are alleviated if orgone energy is applied over long periods of time and regularly. Thus, understandably, also the disposition to pneumonia could be reduced. I omit here more details which can be submitted at any time.

2. *Tissues.* It has been established that orgone energy as applied by the orgone accumulator has a strong vagotonic effect, i.e., that blood supply and turgor of the tissues are greatly increased. From well-known medical principles it follows that well-charged tissues and organs will resist damage to a much greater extent than weak tissues.

3. *Wound Healing.* One of the most important effects of orgone energy application is a quick and nearly perfect healing of even severe wounds and burns by means of direct irradiation of the damaged region. For instance, severe damage due to 2nd and 3rd degree burns is alleviated, and the worst effects are prevented if the severely burned region is irradiated with orgone energy immediately after the accident occurs. Blisters do not occur and the pain is reduced after a few minutes. Wounds due to cuts are healed quickly and cleanly. Old resilient ulcers are healed under the influence of direct orgone energy radiation by means of an acute inflammation which sets in in the degenerating region and replaces dead tissue by new granulating tissue. This may suffice to indicate the direction in wound healing.

4. *Alleviation of Pain.* Orgone energy, if applied directly to an aching region, has the effect of at least greatly reducing acute pain. These effects have been studied in such cases as acute pain in cancer, rheumatism, migraine, neuritis, cuts, and similar conditions. It is therefore to be expected that immediate application of direct orgone energy irradiation would greatly help to alleviate pains in cases of severe wounds due to shells, bullets, fractures, etc.

5. *Shock.* It has been established that due to the strongly vagotonic effect of orgone energy, shock reactions are at least diminished, and recovery is speeded up by total irradiation of the organism with orgone energy, since shock is mainly due to a sudden severe sympatheticotonic contraction of the organism.

The above-mentioned points are far from giving a complete picture. However, they may suffice to indicate what tremendous benefits could be derived

from a general application of orgone energy in cases of emergencies such as atomic warfare, epidemics, etc. Last, but not least, I would like to mention a point which, at present, is no more than a prospect, but a very helpful one. Lack of appropriate financial means has hitherto made it impossible to pursue the following line of research:

Nuclear radiation, for instance radium, is changed under the influence of concentrated orgone energy. The kind and the extent of such change is still very obscure. However, it can be conscientiously stated that these effects of orgone energy upon nuclear radiation could be elaborated in a short time with the appropriate means. Here it may suffice to state that orgone energy represents cosmic energy *BEFORE MATTER*, in contradistinction to nuclear radiation which is radiation *after matter* as handled by the Atomic Energy Project. It is understandable why I restrict the communication concerning this point to a mere indication.

Would you be kind enough to transmit this communication to the appropriate authorities of the Atomic Energy Commission. I felt it my duty in these trying times to press toward awakening not only interest but also medical conscience regarding these matters in the responsible military and government circles. It would not take much money to elaborate the above-mentioned effects to the satisfaction of medicine and for the safety of our country. I would therefore appreciate it highly if you were kind enough to exert your influence and your position to carry these suggestions to their full realization.

Most sincerely yours,

for The Wilhelm Reich Foundation

WILHELM REICH, M.D.
President."

The approach to the project of experimentation with nuclear radiation effects required clear definition of the pathological functions in *radiation sickness* which could be linked up with similar or identical lesions in general pathology which had already been made accessible to orgone energy treatment.

Abrasions, lacerations, and burns are *not* specific nuclear radiation effects. They could be regarded as belonging to general pathology, known to be accessible to orgone treatment by means of local orgone energy application.

The real problem was the *specific radiation sickness* consisting of deterioration and degeneration of blood and tissues, of hemorrhages due to inner lesions, of decay of the blood cell system, loss of hair, weight, general decline

of biological vigor, and final death. Would these specific effects of nuclear radiation be accessible to orgone energy treatment?

The anti-nuclear radiation research project had to concentrate on this problem. It could be divided into three major groups:

1. *Is it possible to establish a certain degree of IMMUNITY, as it were, against nuclear radiation effects?*

In order to answer this question, one group of mice is to be kept irradiated prophylactically with orgone energy over a period of several weeks. Then half of this group is to be injected with radioactive material in half-lethal and the other half with lethal doses. The actual result would answer the question whether preventive orgone energy treatment had any chance at all, and if so, to what extent the preventive treatment would be effective. It was assumed that it would not be too complicated to draw conclusions regarding human beings from the results achieved in mice.

The outlook on the possibilities of partial immunization of the population against atomic energy effects well in advance of actual warfare and atomic bombing thus seemed promising: It is entirely reasonable to assume that highly charged biosystems would at least offer greater resistance to the degenerative processes caused by nuclear radiation. Details could easily be elaborated with the necessary equipment and personnel.

2. *Is it at all possible to stop, to undo, or to cure nuclear radiation effects without prior immunization?*

In order to answer this question, a large group of healthy mice should be injected with a half-lethal dose of nuclear radiation material. One half of this group should be treated with orgone energy by means of the accumulator, the treatment beginning soon after the injection of the radioactive material. This would be the model of the assumed situation of a group in the population just having been affected by half-lethal nuclear radiation in the vicinity of where an atomic bomb had been dropped. It is further assumed that this group of people had not suffered any direct burns or other wounds. It would fall under the class of victims which develops the radiation sickness during the weeks following the blast.

The effective dosage of orgone energy is to be worked out by either doubling and redoubling the time of organotic irradiation or by doubling and redoubling the strength of the accumulator or by both.

In order to comprehend fully the way in which orgone energy affects nuclear radiation sickness in the half-lethal realm, the mice which were injected accordingly would have to be dissected and carefully examined singly, both in the treated and in the non-treated half. By comparison of treated and untreated sick mice, it could be established if at all and to what

extent, particularly in what way, nuclear radiation affects the tissues and the blood, and to what extent these effects are reversible by means of application of bio-energy (= orgone energy).

Here, the bridge connecting other degenerative processes with degeneration of tissues and functions due to nuclear radiation could be established. Such a bridge actually exists and is found to be most valuable in the approach to radiation sickness. The latter, according to the reports so far available, mainly consists in loss of bio-energy, in a rapid lowering of the energy metabolism in the organism. The nausea, the bleeding of inner organs, the loss of hair, the anemia, etc. are secondary results of the primal noxa which, in the light of organomic research, is loss of bio-energy. From this it follows that charging of the organism with bio-energy contains the great hope, beyond its healing qualities, of REPLACING THE LOST BIO-ENERGY AND THUS OF STRENGTHENING THE RESISTANCE TO FURTHER DEGENERATION OF LIFE FUNCTIONS. Timing of curative irradiation with orgone energy, amount of energy to be applied, number of layers of accumulators necessary, are matters of research easy to accomplish once the basic question has been answered.

In order to obtain reliable preventive and curative results in the realm of lethal affliction with radiation sickness, it is indispensable to establish the kind of degeneration in tissues and blood. In this realm medical organomy is already well equipped, due to 15 years of experimentation with degenerative processes in the cancer biopathy and other diseases. It is highly probable that radiation sickness does not basically differ from other diseases where degeneration of tissue and blood is involved. Only the cause of the degenerative process is different from other diseases, not the process itself, except in regard to the rapidity of the decline.

We know from ample experimental observation that tissue decay due to X-ray radiation yields, though not easily, to orgone energy treatment. Deep burns due to X-rays heal out, often completely. It is therefore not precluded that nuclear radiation decay will yield too.

The basic mechanism of this healing process consists in blood pouring into the diseased region, in rejuvenation of the still healthy tissue in the surrounding area, in sequestration and elimination of the dead tissue and its replacement by new granulating tissue.

All tissue degeneration so far studied takes the route of development of T-bodies, i.e., bions with little orgone energy, from the degenerating tissues. This "T-process" rules the degenerative processes in cancer, and also, as we now find, to an even higher degree in leukemia. It is to be expected that it is also at work in the radiation sickness. It is impossible at this time to predict how the experimenting will have to be carried on in order to answer this

question practically; but once the T-character of radiation sickness is established, we shall travel in well-known territory. To teach the new techniques of T-cultivation and T-observation to physicians and technicians will then be comparatively easy.

3. *Where is the borderline, if any, of the efficacy of orgone energy irradiation in lethal cases of radiation sickness?*

This most vital question cannot be answered before concrete information has been obtained with regard to questions 1 and 2. It will obtain its proper answer in due time, and, so we hope, with as few victims of our ignorance as possible. To reduce unnecessary dying from lethal radiation sickness it will be most important to develop point 1, the *preventive* part of the total job, as fully and as efficiently as possible.

ORGONE ENERGY TODAY IS THE ONLY KNOWN MEDICAL TOOL ABLE TO COPE WITH DEGENERATIVE PROCESSES.

A further great possibility consists in constructing *bomb shelters* in such a manner that they actually function as orgone energy accumulators thus accomplishing a double effect: first, keeping the people *inside* charged, and second, reflecting nuclear radiation to the *outside*.

ORGANIZATION OF THE PILOT RESEARCH PROJECT.

There are the following facilities available for the ORANUR project which can easily be extended without delay:

1. 280 acres of land at Orgonon, Rangeley, Me., partially wooded, partially meadows, suitable as building sites, self-sufficient in fuel material and food supply, 1700 to 1800 ft. above sea level, in dry climate most suitable for research in cosmic orgone energy; 40 miles from the nearest railway station, 80 to 130 miles from the nearest major city, with good roads available.

2. Two large buildings, worth together approximately \$80,000, one built from rock and cement with partial steel structure, both fully equipped for research; two smaller buildings equipped for living.

3. Lakeshore of approximately 600 yards, suitable for landing of seaplanes in emergencies. Road put in from lake to main road.

4. Instruments and other research equipment worth altogether some \$30,000 to \$40,000, high power microscopes, Geiger counters, organotic darkrooms, photographic darkrooms, electrosopes, microphotographic equipment, etc. Part of it owned by the Wilhelm Reich Foundation, part owned privately by Wilhelm Reich, all of it at the disposal of the ORANUR project.

5. A workshop suitable for the establishment of a small pioneering construction plant.

6. Small truck, station wagon and tractor with equipment for farming.

7. Total available assets worth approximately \$200,000.

8. 350 orgone energy accumulators for research purposes.

9. Staff organized to do essential central job, functioning as a well-trained nucleus, consisting of some two dozen specialized workers, about a dozen organomic physicians, one zoologist, one public relations officer, two well-trained social workers, two administrators, two maintenance men, all fully devoted.

10. A loosely organized but highly interested fringe of scientific, medical, educational, and other workers on the West Coast, in the Middle West, in New York, Montreal, England, Scandinavia, South America, etc.

11. A fully organized and registered Press, the Orgone Institute Press, equipped to handle all publication matters and capable of rapid growth, with connections through mailing lists all over the world. *The USSR has ordered organomic literature, and a patient of Dr. Hoppe (an organomic co-worker, in Israel) reported that she has used an orgone energy accumulator in a Russian hospital.* We wish to warn against the intention of the red fascists to use the benefits of orgone energy while trying to keep the same benefits from the U. S. A. through slander of organomy by their agents in this country. It is to be emphasized that the benefits of the orgone energy accumulator are intended for *all* peoples.

12. At present a steady income from contributions for the use of orgone energy accumulators of about \$40,000 yearly, and from tuitions, etc. some \$10,000 yearly, sufficient to carry the expenses of the job in its present framework. Organomic research has so far been completely self-supporting, independent of endowments from either public or private institutions. The present finances available are of course not sufficient to meet fully the needs resulting from the international crisis.

13. Work done regularly at present:

a. Continuous work on the cancer biopathy; courses for physicians and biologists in organomic cancer research;

b. Research in leukemia;

c. Study of organotic weather functions, daily charting;

d. Study of biogenesis through continuous work on Experiment XX;

e. Continuous improvement of the orgone energy accumulator;

f. Organomic study of the healthy infant in the Infant Research Center;

g. The Orgone Institute Diagnostic Clinic and the Orgone Energy Clinic for organomic bio-energetic tests and examinations in Forest Hills, New York;

h. Training of physicians, educators, and social workers;

- i. Preparation of the orgonomic anti-nuclear radiation project;
- j. Preparation of further building of facilities;
- k. Guidance in scientific matters on an international scale.

One should not raise false hopes where there is no hope. But where such great hope exists, it should in such emergencies as the present be pursued with all the vigor and determination available. Once the basic possibility is given, it is only a matter of equipment and skill as well as organization to cope with disaster. The few circles, powerful as they may be, which are economically interested in suppressing the dangerous competition of orgonomic medicine, will, so we hope, step aside modestly and decently, and will not try or dare to disturb or even to prevent this overall important task, as they have tried to do in the past. There would be no excuse for such procedure due to pecuniary interests when millions of human lives are involved. We know there are such sharks in the world, but even sharks, we believe, have hearts and some degree of consideration. So do not try to smear this great effort. It will only help the murderous enemy of life.

Let us not fail to prepare in time against the disaster which threatens all of us. Let us give full and continuous information to *all* peoples in the world threatened by atomic warfare. There is at present no more sacred duty than this one, not only for physicians, but also for military men, if they truly prosecute the saving of life and freedom. Those who will obstruct or try to prevent this job from fulfillment will show up clearly as the true enemies of mankind, without employment of secret police, political denunciation, or rigmarole. PREVENTION OF RADIATION SICKNESS AND DEATH is the watchword for every decent physician and health administrator from now onward. The sooner this realization dawns upon the responsible circles in the U. S. A. and abroad the better, the fewer victims will there be. WHO WILL DARE TO STAND UP AGAINST IT?

The hour is at hand to prove one's contentions and ideals by deed beyond words. Let us not miss this heartsearching task. Let us not for a second forget that the eyes of all the future, yet unborn generations of mankind are upon us, searching our souls.

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