NATURE OF DOR CLOUDS

Chapter 111

DOR REMOVAL, CLOUD-BUSTING, FOG-LIFTING

1. THE "DOR-CLOUDS"

It has become possible to apply the principle of the orgonomic potential to the dissolution and formation of clouds. This technical application of the orgonomic potential was forced upon this institution during the emergency which shook Orgonon from about March 21, 1952, till the present date, May, 1954. It was a matter of survival in this region to find a way to remove the "DOR-clouds," as we came to call the nauseating concentrations of DOR over Orgonon.

Let me first explain what these DOR-clouds are, how they look, what they do and what can be done about them. DOR-clouds were observed and comprehended for the first time during the early days of May, 1952. The main characteristics of these DOR-clouds, as they appear at various intervals over Orgonon, coming in mostly from the west, are the following:

1. "Stillness" and "Bleakness"

A "stillness" and "bleakness" spread over the landscape, rather well delineated against unaffected surrounding regions. The stillness is expressed in a real cessation of life expressions in the atmosphere. The birds stop singing; the frogs stop croaking. There is no sound of life anywhere. The birds fly low or hide in the trees. Animals crawl over the ground with greatly reduced motility. The leaves of the trees and the needles of the evergreens look very "sad"; they droop, lose turgor and erectility. Every bit of sparkle or luster disappears from the lakes and the air. The trees look black, as though dying. The impression is actually that of blockness, or better, bleakness. It is not something that "came into the landscape." It is, rather, the sparkle of Life that WENT out of the landscape.

2. Vanishing of Luster and Sparkle

The vanishing of luster and sparkle from the sunny landscape had been independently confirmed by several observers who have grown up on farms. Trees, rocks, telegraph poles, mountainsides, and houses appear "black" although it is not really blackness. It is, rather, like the absence of light. To the orgonomic observer, it appears to be the result of thinning or a failing of the orgonotic energy substratum that usually luminates into brilliant daylight, with sparkle and luster. The absence of on lumination was shown on color film in 1953. It should be carefully noticed that DOR-clouds appear while the sun keeps on shining. The green color of trees and meadows disappears from the mountain ranges. Everything seems to go black or "dull." One cannot help but feel this to be death, "bleak death," as some call it. This bleak blackness hovers especially over landscapes without any vegetation, and over swampy regions. Swamps have a peculiar bearing on DOR effects. Swamps are basically accumulations of stagnant water which enhance decay processes and are the opposite of fresh running brook or river water which counteracts decay. They are distinguished by the absence or presence, respectively, of orgonotic metabolism. Everything still remains to be carefully investigated in this realm. We are only breaking trail for a first over-all orientation.

The lack of luster can be understood in terms of some reduction of orgonotic pulsation and metabolism in plants and animals. This seems to be confirmed by the fact that at the lake surfaces orgonotic pulsation also ceases; the water becomes calm and motionless.

A DOR-cloud is usually surrounded by normal atmospheric or activity, such as blueness of the mountain ranges, sparkling of the sunny atmosphere, greenness of the trees. One cannot help but feel that natural cosmic orgon energy retracts from the "evil," "bleak," "black," "lifeless" DOR-cloud and lets it pass. Observations made at night show luminous on surrounding and fighting the lusterless DOR-clouds. In daytime the mountains appear black while losing the normal blue-gray orgone energy color. The emotional impression here again is "sadness." The color of the mountain ranges is now somehow "dirty," or blackish with a purple tint. After the passing of the non-cloud, the intense blue-gray "haze" returns. We learned to realize exactly when normal orgon activity replaces again the nauseating DOR blackness.

* First published in OER, IV/4, 1952.
3. Bio-energetic Distress in Human Beings

People react to the DOR-clouds with rather grave distress. Many do not know or cannot explain what happens to them. They call it "heat," or "some atom dust," or just "bad air." Some are biologically insensitive to a degree which puzzles the organism. There are others who know the deadly quality of these clouds, not intellectually, but rather with their First, Orgonotic Sense. "There is something wrong in the air," one hears them say, or, "Something is going on somewhere," a statement expressing awareness together with suspicion. "I cannot get any air," or, "It hits me like a brick when I enter my shop in the morning," etc. In some cases one must persist in asking the same question over and over until the answer creeps to the surface from a frightened mind: "Yes, if you want to know, I feel it sometimes like something closing in on my face, like a wall, but I cannot really feel it, you know; and then I get that bad headache of mine," or, "My sinuses are going bad ....", etc. etc.

If they are not completely dead emotionally, i.e., far below the normal bio-energetic level of functioning, people are usually aware of the "changes in the weather," too; in vegetation and in the "general feel" of things. In the early spring, already in the middle of April, 1952, the buds were coming out in the Rangeley region. People did not quite dare to admit such an astonishing fact, since buds are not expected there before the end of May. Remarks in the beginning of June about the peculiar "black" clouds that were coming from the west and for some peculiar reason remained "stuck," as it were, over Orgonon, were frequent. Also, the lushness of the vegetation was duly acknowledged and generally appreciated.

4. Geiger Counter Reactions

The reactions of the Geiger counter to the DOR-clouds deserves special attention. At this point, only a few basic phenomena should be mentioned:

During the passage of DOR-clouds over a certain region, the Geiger counter will act in peculiar, extraordinary ways. When these reactions were seen for the first time during the early spring of 1951, they were dismissed as "only" or "nothing but" failure of the batteries. Since then, we learned to respect these "failures" and to read their meaning to a sufficient degree to form reliable opinions about the atmospheric reactions before, during and after the passage of DOR-clouds. It is advisable to distinguish the "disorders" of the Geiger counter as follows:

a. "JAMMING": The portable Geiger counter (SU-5, Tracerlab) will "race" to the limit of 100,000 CPM or 20 Mr/h.

b. "FAILING" or "FADING": The counts will drop again rapidly until they will sink beneath the normal background count of 30-40 CPM. The needle will remain at 5 or 10 CPM or it will point to Zero with the range 100 CPM turned on. This will happen in an extremely highly charged atmosphere.

c. "JAMMING" as well as "FAILING" may occur each by itself in a very high or atmosphere. Sometimes the fading is preceded by jamming. One also sees rather frequently the Geiger set in with the normal background reaction of 30 to 50 CPM, and then, after a minute or two, start racing toward the higher or even the highest possible counts, which would cause alarm in any atomic plant. The details of these functions are as yet unknown. But it would appear reasonable to assume that Fading, Jamming and Racing are all variants of one and the same basic disorder: Overcharge of the Geiger counter tube. To repeat: The pointer will not move at all: FAILING; or it may fail after an initial normal count: FAILING. It may rush to abnormally high values: RACING, instantly or after a brief period of normal reaction. It may race to the highest possible count and beyond and then get stuck there with or without subsequent fading, i.e., JAMMING.

These distinctions are naturally subject to corrections and to further detailed interpretation.

d. The "ERRATIC" Geiger Counter: During the passage of DOR-clouds, one can, furthermore, observe a type of behavior on the portable Geiger as if, psychologically speaking, the Geiger counter had become "nervous" and could not make up its mind, as it were, whether to race, to fade or to jam. In such cases, one sees the needle start in with the normal 30 to 40 CPM; then it races, say, to 500 CPM, drops thereafter slowly, in the fading manner, to 100 and further to 70, only to start racing again to 10,000 or even 30,000 CPM; eventually this is followed by still higher "erratic" oscillations back and forth between 10,000 and 100,000; it may end in jamming or complete fading.

These few distinctions in the disorderly behavior of the Geiger portable counter may suffice. It should be noticed, however, that
GM counters which are enclosed in plastic material will most likely only fade or fail; this is so, to judge from only one single observation with a new plastic-covered GM counter, because plastic material absorbs OR avidly without reflecting the OR energy. This observation requires further elaboration and confirmation.

In the beginning, during March and April, 1952, we were under the impression that the non-clouds coming from the west, originated from atomic blasts in the western United States. However, it was later ascertained that there were no atomic detonations in the USA in March, 1952. Thus, the origin of the non-clouds remains a mystery to this date. The onset of the disaster at Orgonon soon after the tornado struck in the West, March 21, 1952, centered our attention on the possibility that we were dealing with some very obscure cosmic events.

The non emergency at Orgonon worsened quickly during April. Emotional and physical distress became unbearable, and it was now a matter of survival to remove the black non accumulations that hovered ever more frequently over Orgonon. An inconspicuous, long-neglected observation came to the rescue:

Far back in 1940, when the atmospheric OR energy had been seen for the first time at Mooselookmeguntic Lake in the Rangeley region through long metal pipes, casual pointing of some pipes at the surface of the lake seemed to affect the movement of the waves. This appeared quite incredible at that early period of OR research; the matter was abandoned and soon forgotten. However, the incredible effect of metal pipes upon energy motion such as waves, seemed to have lingered on in my mind over all these dozen years. When the suffering from non became unbearable at Orgonon late in April, a few metal pipes, 9 to 12 feet long and 1 1/2 inch in diameter, were directed toward the black non concentrations overhead, and connected through six cables to a deep well.

The effect was instantaneous: The black non-clouds began to shrink. And when the pipes were pointed against the OR energy flow, i.e., toward the west, a breeze west to east would set in after a few minutes “draw,” as we came to call this operation; fresh, blue-gray OR energy moved in where the nauseating non-clouds had been a short while before. Soon we learned that rain clouds, too, could be influenced, increased and diminished as well as moved, by operating these pipes in certain well-defined ways.

From the first hesitating attempts to end the emergency at Orgonon, more systematic experiments in the creation and destruction of clouds, as well as rain-making and stopping of rain began to develop successfully over several months, till the first two C.O.R.E. “CLOUDBUSTER” units were finally constructed at Portland, Maine, in September-October, 1952, for more elaborate core operations.

In the following pages only the basic principles of “CLOUDBUSTING” will be presented. A detailed presentation of the technical aspects will follow in a broader context of Cosmic Orgone Engineering (C.O.R.E.).

II. THE PRINCIPLES OF “CLOUDBUSTING”

1. “Cloud-Busting”

The term “Cloud-Busting,” as used in this paper, shall denote all engineering techniques which deal with the destruction as well as the formation of clouds of water vapor in the atmosphere and of OR energy concentrations of all kinds including gravity; briefly, with all phenomena which are related to or derive from atmospheric changes of climate including weather, humidity, amount of rainfall per unit of time, storms, hurricanes, “non-clouds,” ORANUR functions in the atmosphere, atmospheric OR energy changes of all kinds, the origin of deserts as well as of areas of green vegetation, and all similar functions which depend on the presence or absence, on the scarcity or plentifulness of OR energy, oxygen, water vapor, rain, sun and wind and their interaction.

2. Technological Use of the “Orgonomic Potential”

The “orgonomic potential” denotes all functions in nature which depend on the flow of cosmic energy, or potential, from low to high or from weaker to stronger systems. Thus the orgonomic potential is the basis of and functions contrary to the mechanical potential, heat, electromagnetic energy, mechanical potential of position, etc. The orgonomic potential is most clearly expressed in the maintenance in most animals on this planet of a temperature higher than that of the environment, and in the function of gravitational attraction. In both cases, the stronger energy system draws energy from or attracts a weaker system nearby; in both cases the potential is directed from low to high, or from weak to strong. Gravitation obviously functions on this basis.
The technique of cloud-busting is to a very large extent, if not wholly, based on the technological use of the orgonomic potential as it governs the on energy functions of the atmosphere.

The technological use of the orgonomic potential can be divided, basically, into two major groups:

A. Increase of the on potential:

In this case we concentrate on energy and build up a steeper or stronger on potential. This will have entirely different effects than

B. Decrease of the on potential:

In this case we disperse or dissipate on energy; we lower the potential difference and create a tendency toward more or less equal distribution of the on energy in the atmospheric on energy envelope of the planet. We act in the direction of the mechanical potential.

Rain clouds, thunder clouds, hurricanes and tornadoes are, seen from the viewpoint of orgonomy, different expressions of basically one and the same function, i.e., combinations of concentrated on energy streams and water vapors. On the intensity, direction, location and similar conditions related to the combination of water and on energy (H₂O + on) many atmospheric conditions depend; most of these conditions still await detailed study and logical comprehension.

However, the two basic principles of cloud-busting, increase and decrease of the on potential, suffice at the moment to make their technological use comprehensible.

If we wish to destroy clouds we must use the orgonomic potential in such a manner that the potential decreases.

If we wish to create clouds or to increase the power of existing clouds, we must use the on potential in such a manner that the potential between clouds and their immediate environment increases.

In order to execute these two basic principles in a satisfactory manner, we must, logically, construct and use a device which is capable of adding on energy to the atmospheric on energy envelope; or, we must construct a device which will draw energy from the on envelope in such a manner that the affected region loses certain amounts of energy to other regions, thus changing the atmospheric energy concentrations.

Since at present, adding energy to the atmosphere is not yet possible, we must use the other principle, that of drawing energy from the atmosphere.

3. Drawing Off Atmospheric On Energy

In order to draw off atmospheric on energy, we must accomplish two tasks: a) we must use a device which draws on energy; b) we must know into what place to draw this energy.

This is accomplished by changing, basically, the principle of the functioning of the lightning rod.

The lightning rod, too, functions according to on energy principles, since “lightning” is atmospheric on energy discharge in a very narrow space. The pointed rod, reaching into the atmosphere, attracts the lightning discharge and conducts it through heavy wires into the ground. This lightning rod system functions according to orgonomic, and not according to electrical principles: In the lightning rod system, the atmospheric charge is drawn from the atmosphere toward the point of the rod and further toward the earth’s crust. It is, thus, the orgonomic potential from strong to weak which is operative also in the case of the lightning rod. If the electrical potential from high to low were operative in the lightning rod system, the direction of flow would necessarily be the reverse, from the earth’s crust toward the atmosphere; the energy would stream off and away from the point of the lightning rod.

Cloud-busting operates in agreement with the functioning of the lightning rod, only if we put both functions, cloud-busting and lightning rod, on the common functional basis of the on potential.

Cloud-busting deviates from the lightning rod principle in four ways: (1) Its purpose is not to draw and to ground bolts of lightning, but to draw on energy charges out of atmosphere and clouds. In doing so, it deals with the same kind of force as in the lightning, with one important difference: The cloud-buster draws the charges slowly, in small amounts at a time, dispersed, as it were, in time as well as in concentration, and not in the form of sudden lightning. It does so by way (2) of long, hollow pipes, and not of solid steel rods.

The pipes, any number of them, and any length beyond a minimum of about 4 meters or 10 feet used in our first cloud-busting experiments, have the function (3) of triggering the atmospheric on energy flow into certain directions. The function of the pipes
DOR REMOVAL AND CLOUDBUSTING

4. The Creation of Clouds

The principle used in the creation of clouds is the same as that in the destruction of clouds: the orgonomic potential from low to high. However, while in the destruction of clouds we draw off energy from the cloud proper, we draw energy from the close vicinity of the cloud if we wish to enlarge existent clouds and to proceed toward rain-making. The following chart depicts the process.

The technological experiment bears out the theoretical assumption: Clouds dissipate when the cloud-buster pipes are aimed at the center; they grow when we aim at the close vicinity in the cloud-free sky.

One may create clouds in the cloud-free sky in a certain manner, by disturbing the evenness in the distribution of the atmospheric or energy; thus clouds appear upon drawing energy from the air. The more clouds that are present and the heavier the clouds, the easier it is to induce growth of clouds and finally rain.
The fewer clouds, the more difficult it is and the longer it takes until the clouds give up their water. Practically, a rather sharp distinction exists between rain-making in a cloudy as against a cloud-free sky.

No matter what the variations, the principle remains the same as described: Drawing from an existent cloud destroys the cloud. Drawing from its vicinity makes it grow.

It is necessary to stop at this point. Strong reactions to cloud-busting in Rangeley, Maine, have been observed in distant regions (Boston); such influence on far-away regions is due to the continuity of the envelope; the details will require extensive and careful study. We have always been cautious not to overdo while cloud-busting, since small twisters and rapid changes of winds have been observed beyond any reasonable doubt. Also, on one occasion, heavy, prolonged rain occurred upon faulty operation.

Cloud-busting as a task of Cosmic on Engineering will by far transcend the facilities and potentialities of any single institution and even state or country. Cloud-busting is truly an international affair with no regard for national borders. There are neither passport controls nor custom officers in the sky where the weather is being made. This is good and as it should be in Cosmic on Engineering (C.O.E.).

LAWFUL REGULATION OF CLOUD-BUSTING WILL PROVE INDISPENSABLE IF CHAOS IS TO BE AVOIDED.

III. FOG-LIFTING

When it had been safely secured that the orgonomic potential was satisfactorily operating in removing the nauseating don clouds over Orgonon, and in breaking as well as making of rain clouds, a new problem of core presented itself:

It was late in summer 1952; the autumn and winter with fogs and snowstorms were just ahead of us. Would it be possible to lift dense fog to the extent of letting the sun shine over a certain region? In the present communication we shall only deal with the LIFTING OF FOG. The experiments with fog-lifting were conducted from October to December, 1952, at Orgonon, Maine, and are being continued.

The following photograph presents the First Cloudbuster, built by the Southworth Machine Company in Portland, Maine, in 1952. Earlier, a much more primitive device was constructed and operated at Orgonon.
The "Spiral Draw" in Fog-lifting

The task of fog-lifting is accomplished by way of the so-called "Spiral Draw." In order to understand its functioning, one should return to the basic principles on which cloudbusting rests as a total operation. To repeat:

The OR energy envelope of the earth planet moves, under normal conditions, from the west toward the east, in accordance with the direction of the daily rotation of the globe, faster than the surface of the earth. Accordingly, any operation which is intended to bring in fresh OR energy supply from the west, such as is the case in DOR removal, will use the west to east direction of the movement of the OR energy envelope as the principle of its operation: IN ORDER TO BRING IN FRESH OR ENERGY, ONE MUST DRAW FROM THE WEST, i.e., POINTING THE FRONT ENDS OF THE PIPES TOWARD THE WEST low above the horizon. It naturally depends upon the climate and the weather conditions as to how long one must draw to achieve the result of moving the pertinent part of the OR envelope faster from west to east. In the region of Orgonon, 5 to 15 minutes will suffice to remove a DOR cloud toward the East by drawing fresh OR energy from the West. Once the surrounding hills and valleys become blue-gray again, the task is accomplished. Too long extended draw will certainly cause severe rain from the west, and strong winds up to storm strength.

In the making and breaking of clouds, we use the principle of the "orgonomic potential" from low to high.

Fog lifting requires a combination of, and a slight change in, both these principles. Fog lifting would lead to rain instead, if we were drawing in one or another direction only. If fog covers large areas, it is doubtful that drawing from the west alone would accomplish anything. The technological procedure is this: Dense fog over large areas is usually evenly distributed. In working with foggy conditions, one has the impression (an impression only) that it is exactly the evenness and uniformity of the fog bank which constitutes its cohesion and tenacity in resisting lifting. There are no potential differences; it is a static physical state. This assumption is borne out by the operation:

To break up fog or even drizzling rain one must DISTURB THE EVENNESS OF THE DISTRIBUTION, in other words, THE ABSENCE OF POTENTIAL DIFFERENCES. ONE MUST CREATE SUCH POTENTIAL DIFFERENCES. This is accomplished by the so-called "Spiral, intermittent
Draw." One "drills holes," as it were, into the foggy blanket by very brief draws (only a few seconds each) at various points of the sky. Experiences so far teach that the so-called spiral draw operates best in the following manner:

1. Drill a hole into the zenith above you; 15 to 45 seconds.
2. Spiral very slowly downward toward the horizon, in an intermittent motion, i.e., with brief stops, 2 to 5 seconds each, as you spiral the sky from the zenith down toward the horizon. Seen from the ground toward the zenith, the total spiral draw looks somewhat like this:

The spiral turns may be drawn at any distance from each other. Between 4 to 8 turns will suffice in most situations.

After having accomplished the spiral draw, it is necessary to trigger, push-like, the west to east direction of the on flow of the planetary envelope. This west to east triggering should not last longer than about half a minute, more or less, dependent on the stillness of the or atmosphere. Too short a triggering push west to east would not suffice to accelerate the movement; too long a draw from the west easily may bring about severe rain from the east, or a squall.

Therefore, the trigger push west to east, after the spiral draw has been done, should be handled with great care and be based on much practical experience according to the region, the weather and similar circumstances.

Since all on operations are basically resting on functional, and not on mechanistic principles, they cannot be rigidly executed.

The total draw, per single draw operation, was at Orgonon, approximately 5 minutes. With heavy fog, it may be necessary to execute 2, 4 or more single draws, to achieve results. A single draw may break the fog bank and let the sun come shining through, but the fog may close in again and not budge finally until after the 4th or 5th draw.

The lifting of fog can easily be learned and operated by anyone whose orgonotic sense is unimpaired and who has some knowledge of natural weather functions. It is also obvious that the cloudbuster operations cannot be executed on the basis of the classical, thermical assumptions about the origin of the various forms of weather. The relationship of hot and cold air masses must, quite logically, be dependent upon and secondary to more basic, energetic functions of the Orgone envelope. The Cloud-
bouter operation rests on the firm principles of the functions of the OR energy envelope of the globe.

We shall, in another communication, proceed to mention a few rules, medical and general, in handling the Cloudbuster. One must not follow the temptation to play around too much with this "toy." Cloudbusting is a very serious and highly responsible business. The importance of fog dispersal for aeronautics is obvious. So is the removal of DOR clouds. Both operations have been conducted at Orgonon by our caretaker quite on his own, without my presence or any help, and with great success. Discipline, reliance on orgonomic observations of the atmosphere and a well-functioning First Orgonomic Sense, make fog lifting a relatively easy task. However, "playing around" with the Cloudbuster to prove to oneself one's cosmic omnipotence, is only a sign of irresponsibility, if not ignorance.