This book was Volume V of the "Suppressed Evidence". Doctor Wilhelm Reich entered with the Supreme Court of the U.S.A. in his defense. But卡通尼 was denied and this volume lies legally unreviewed.

Eva Reich M.D.
CONTACT WITH SPACE
Buas' by Jo Jeraks

WILHELM REICH — 1950

Bust by Jo Jenks
The contributions of the staff of the Expedition OROP Desert Ea were great in loyalty, exertion, sacrifice of time and work and risk of danger. These contributions cannot ever be forgotten.

These photographs are being published for the historical factual record of the OROP Desert Ea organization without regard to scope, extent, duration of service or lasting accomplishments of the participants in the U.S.A. desert expedition.

WILHELM REICH
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Steig photo from Look Magazine.
Thoughts of import
Are built like cathedrals,
Reaching high into the sky
As if to fly.

Onward they urge
From the depth of the brine
Pregnant with surge
Of ever greater design.

Let's burst open the sky
Let's reach for the stars
Let's ring out the cry
Transcending all bars.

Wilhelm Reich
PREFACE
There Are No Authorities

"What constitutes proof? Does a UFO have to land at the River Entrance to the Pentagon, near the Joint Chiefs of Staff offices? Or is it proof when a ground radar station detects a UFO, sends a jet to intercept it, the jet pilot sees it, and locks on with his radar, only to have the UFO streak away at a phenomenal speed? Is it proof when a jet pilot fires at a UFO and sticks to his story even under the threat of court-martial? Does this constitute proof?

The at times hotly debated answer to this question may be the answer to the question, 'Do the UFO's really exist?'

I'll give you the facts—all of the facts—you decide."


"What Do They Want for Proof?"

There is no proof. There are no authorities whatever. No President, Academy, Court of Law, Congress or Senate on this earth has the knowledge or power to decide what will be the knowledge of tomorrow. There is no use in trying to prove something that is unknown to somebody who is ignorant of the unknown, or fearful of its threatening power. Only the good, old ways of learning will eventually bring about understanding of what has invaded our earthly existence. Let those who are ignorant of the ways of learning stand aside, while those who know what learning is, blaze the trail into the unknown.

Quest for knowledge is Supreme Human Activity.

Nothing but the rules of learning can or should ever govern it.

April 1956.

The Case for Interplanetary "War"

(Quoted from C.R.I.F.O., ORBIT, Volume II, No. 8, November 4, 1955)

"Space War Possible is MacArthur Hint

Supporting C.R.I.F.O.'s beliefs are the timely and sobering words voiced by General Douglas MacArthur, before visiting Mayor of Naples, Achille Lauro on October 7, 1955 at the Waldorf-Astoria, New York. The Mayor revealed the General’s statements to the New York Times as follows: ""* * * He thinks that another war would be double suicide and that there is enough sense on both sides of the Iron Curtain to avoid it * * * . He believes that because of the developments of science all countries on earth will have to unite to survive and to make a common front against attack by people from other planets * * * . The Mayor added that in the General's opinion the politics of the future will be cosmic or interplanetary."

This report contributes a few affirmative experiments to the opinion of a military leader quoted above.

Ea is the abbreviation for visitors from outer space, encountered in our globe's atmosphere, observed and experimentally tackled with the so-called "Spacegun" in various parts of the U. S. A. during 1954 and 1955 and the first half of 1956. "E" stands for "Energy", "a" for alpha or primordial. Ea was at times also referred to as representing "Enigma."

I suggest to establish a Planetary Professional Citizens Committee with sufficient work democratic organizational and statutory power to take over the responsibility for and direction of the Social Reconstruction of the Planet Earth and of the Ea Operations of the Future.
CHAPTER I
TWO "STARS" FADE OUT

Does the Planet Earth Harbor Spacemen?

On March 20, 1956, 10 p.m., a thought of a very remote possibility entered my mind, which, I fear, will never leave me again: Am I a Spaceman? Do I belong to a new race on earth, bred by men from outer space in embraces with earth women? Are my children offspring of the first interplanetary race? Has the melting-pot of interplanetary society already been created on our planet, as the melting-pot of all earth nations was established in the U. S. A. 190 years ago? Or does this thought relate to things to come in the future? I request my right and privilege to have such thoughts and to ask such questions without being threatened to be jailed by any administrative agency of society.

Many matters of my existence have, with this question, fallen quickly into place, having been uncertainties only four days ago; the temptation to answer the above question in the positive is irresistible. However, I shall postpone final decision until the facts have spoken. In the meantime I shall proceed on the assumption: It is not beyond actual possibilities that men from outer space have landed (or will in the future land) on earth and have begun to breed here for whatever reason they may have had.

This idea is not as foreign to the human race as it may appear on first encounter. In 1951, I believe, Hollywood introduced a new film with the title "The Day the Earth Stood Still." In this film a spaceship landed on earth; a spaceman, looking much the same as an ordinary, but very intelligent earthman, met with earthpeople. He fell in love with an earthwoman, made friends with her little
boy. He knew mathematics far better than the mathematical genius of the earth century. The earth people got panicky since he was able to stop all earth traffic by pressing a button. In the end the earthmen did to him what they always do in such cases; they had their military hunt him and shoot him down in the street. He was brought to his spaceship by a robot; a new type of medicine, unknown on earth, revived him.

The film was excellent. It tended to prepare the population for extraordinary events to come. It had the right, and not the wrong, ideas about the functioning of cosmic energy used in the propulsion of spaceships. It pictured the spaceman as being akin to earthmen, but different in his attitude to women, in his behavior with a small boy, etc. It conceded that insoluble problems of mathematics were easily solved with his knowledge of the Life Energy. There was no doubt that the Life Energy was meant: Lights went on in the spaceship when fingers moved across certain switches; lumination of vacuum tubes can actually be achieved by approaching strong bodily energy fields.

All through the film show I had the distinct impression that it was a bit of my story which was depicted there; even the actor's expression and looks reminded me and others of myself as I had appeared 15 to 20 years ago.

I did not at that time have the thought that I could actually be a spaceman's offspring. Without my intention, somehow a ball of history started rolling, putting me in the center of space problems: I made actual contact by way of the cloudbuster with luminous objects in the sky on May 12, 1954, between 9:40 and 10:45 pm.

As evening planets 1954 were recorded:

Venus: January 30 to November 15
Jupiter: January 1 to June 30
Saturn: April 26 to November 5

| Latitude of Boston: Setting times:* |
|-------------------------------|----------------|
| Venus                        | Jupiter       |
| March 15                     | 6:55 pm       | 1:10 am   |
| April 1                      | 7:37 pm       | 12:13 am  |
| April 15                     | 8:13 pm       | 11:25 pm  |
| May 1                        | 8:53 pm       | 10:35 pm  |
| May 15                       | 9:24 pm       | 9:53 pm   |
| June 1                       | 9:49 pm       | 9:02 pm   |
| June 15                      | 9:55 pm       | 8:20 pm   |

During this hour men on earth saw for the first time in the history of man and his science two "Stars" to the west fade out several times when cosmic energy was drawn from them. The shock of this experience was great enough not to repeat such action until October 10th, 1954. The reason for the hesitation was obviously the risk to precipitate an interplanetary war by such experimentation. The event was kept secret.

I am a modest, orderly, rational man. I tend to understimate my stature rather than to state my full potential as a scientist. I hate mystical irrationalism; but I believe that even in the most flagrant irrationality there must be some rational truth; there is nothing in this world of man that is not true somehow, somewhere, even if distorted to the utmost; this I used to tell my students. However, I never permitted irresponsible mystification of such serious affairs as interplanetary contact to confuse our grave task.

The Ruppelt report on UFO's clearly reveals the helplessness of mechanistic method in coming to grips with the problems posed by the spacemen. The cosmic orgone energy which these living beings are using in their tech-

*According to report by Robert McCullough. Local mean time. Even allowing for correction to daylight time, neither Venus nor Jupiter was in the observed area at the time. The objects were high above the horizon.
nology is beyond the grasp of mechanistic science since cosmic laws of functioning are not mechanical but what I term "functional." Even the mathematics necessary to formulate these problems and make them technologically usable, cannot use any of the old mechanistic methods of thought to cope with the functional OR facts. (See Orgone Energy Bulletin, 1950-1953.)

The helplessness of mechanistic thinking appears in the tragic shortcoming of our fastest jet fighter planes to make and hold contact with UFOs. Being unavoidably outdistanced is not a flattering situation for military pride. The conclusion seems correct: Mechanistic methods of locomotion must be counted out in coping with the spaceship problem. Neither propeller nor jet will or can ever get us into space beyond.

Easy contact was made on that fateful day with what obviously turned out to be a heretofore unknown type of UFO. I had hesitated for weeks to turn my cloudbuster pipes toward a "star," as if I had known that some of the blinking lights hanging in the sky were not planets or fixed stars but SPACE machines. With the fading out of the two "stars," the cloudbuster had suddenly changed into a SPACEGUN. From then onward, too, our approach to the problem of space became positive, affirmative, confident in using our carefully screened data.

New Tools of Knowledge Needed

When I saw the "Star" to the west fade out four times in succession, what had been left of the old world of human knowledge after the discovery of the OR energy 1936-1940 tumbled beyond retrieve. From now on everything, anything was possible. Nothing could any longer be considered "impossible." I had directed drawpipes, connected with the deep well, toward an ordinary star, and the star had faded out four times. There was no mistake about it. Three more people had seen it. There was only one conclusion: The thing we had drawn from was not a star. It was something else; a "UFO."

I must remind the reader that in May 1954 I had read only one report on UFOs; I had not studied anything on the subject. I knew practically nothing about it. But my mind, used to expecting surprises in natural research, was open to meet anything that seemed real. I had to be convinced myself first. Most people try to obtain consent of their impressions before having been convinced themselves. I had long since given up hope to convince anyone steeped in present-day mechanics or mysticism. There were no authorities. There was no one to whom to report this observation.

(In May 1954, the assault by the American drug business had just begun to bother us a few weeks before.) We were still laboring at an understanding of what had happened in early 1951 when Oranur had burst into our lives; we were still trying to dig out humanly, emotionally, and scientifically from under the avalanche of new observations, facts, ideas which Oranur had thrown in our way. I knew, we had without intending it, drilled a hole, as it were, into the wall which had for millennia separated man from the universe around him. We were hard pressed in our attempt to survive the flood of events in good form. A U. S. court of law had issued an order on March 19th, 1954 to stop all OR research activities including publication. We thus had to face the flood of incredible new facts, our own emotional and physical misery and the assault by the American and Russian mechanistic mind. It all tied in with our basic research neatly as one single fact: Earthmen had encountered space as it really was; not as science had conceived of it heretofore.

Here is the sequence of the main events in OR research which had preceded the fade-out of a "star":
On December 30th, 1953, one of our workers reported a "sighting," an orange flying object traveling from SW to NE.

On January 9th, 1954, I saw the Wells film "War Between The Worlds," a rather realistic approach to the planetary emergency. The film still adhered to the earthly idea that war consisted in a noisy bang-bang of shooting machinery; that war upon the earth waged by beings from outer space would produce the sight of green arms, clawed hands, and other products of human nightmare phantasies. The film was ignorant of the insidious, noiseless, emaciating nature of a war of attrition: *Drawing off life energy from a planet covered with green, seething with living beings.* However, the presentation of landings was realistic, and so was the crumbling of buildings. We may be right in admitting that the crumbling was filmed with high speed acceleration of an actually nearly invisible activity. The panic shown in people was due rather to the acceleration of events than to the events themselves. In reality, the rocks were already crumbling in 1952 in the U. S. A., but no one seemed to pay attention to it, since the process was so very slow and the people who noticed it were so very evasive or fearful to tell.

During all of 1954 preparations for our expedition to Arizona and other parts of the southwestern U. S. A. were under way, greatly handicapped financially by the assault of the food and drug industry upon our financial resources, the income from the medical use of the OR energy.

During the summer of 1953 I had initiated the pre-atomic chemical research project in order to obtain, if possible, an answer to the problem of Melanor, the black powderlike substance that came down at Orgonon from the atmosphere. It attacked and destroyed rocks, dried up the atmosphere, made us miserable with thirst, cyanosis, nausea, pains of all sorts.

In April 1954, on the basis of our findings, Mr. McCullough went to Yuma, Arizona, for 4 weeks with a cloud-buster to find out about DOR clouds and Melanor fully developed in the desert. The results were rewarding and will be dealt with in connection with pre-atomic chemistry problems of outer space. It was McCullough who first reported on the "DOR ceiling" in the desert, thus corroborating the finding of stagnant DOR clouds over Orgonon.

These preparations were replete with observations of an extraordinary nature. They led up to the startling event of May 12th, 1954: the fading out of a star. They also sharpened our senses and prepared us for the formation of new methods to observe E a correctly. It was towards the end of 1953 that I read Keyhoe's report on unidentified flying objects.* It struck me at this first reading on the subject that no one had as yet tried simply to make a series of photographs of the night sky. This is at least the impression one gets from all published reports, including the one by Ruppelt (1956). The reports are filled with eyewitness reports on details of location, time, direction and similar things. However, no one, as far as I can judge, had started a systematic scanning of the night sky. The answer seemed to be: No one knew what to photograph and when.

Another striking feature was the frustrating effort of our jet pilots to outrun what quite obviously were technologically far superior craft. I had at times the impression that competitive ambition and social anxiety of "authorities" rather than sober, systematic approach ruled the efforts to get at the UFO problems. This made it easier for the neurotic distracters from the serious UFO problem to deny the whole affair as an impossibility and to denounce those who claimed to have observed extraordinary matters as cranks, lunatics, swindlers or worse. We understand how the serious pilot who was outdistanced

---

*Donald F. Keyhoe—Flying Saucers from Outer Space, 1953, Henry Holt.
by the UFO must have felt jammed in between ridicule and hurt pride. All this did not help, of course.

Seen from this point of view, the attack by the food and drug agents upon orgonomy was no more than an expression of terror of the Cosmic Energy on the part of sick men. It, therefore, "did not exist"; its discoverer was to this view either a "quack" or a "lunatic."

It may well be that these first impressions were responsible for the development of systematic techniques of observation first of all. Quantitative, exact measurements could without harm wait until one could get hold of some reliable, distinguishing observations of the sky.

I therefore encouraged my assistants to make no notes, to take no photographs, to make no attempts at a quantitative determination of what they thought were worthwhile observations; but rather to relax and just look into the sky, casually, as it were, and let the new facts come to them rather than to run breathlessly after elusive, strange facts.

This idea paid off in the long run. We learned gradually to find out the UFOs among the myriads of stars and to test our judgment by way of the Spacegun and the camera. From this kind of approach resulted the positive findings reported here. We were always careful to let new observations force us to pay attention to them. Observations should be rejected until they return again and again and are no longer deniable. Questionable observations which did not return again and again were to be neglected. We refused, too, to drown in paper protocols of heaps of uncomprehended events. We had to obtain a firm foothold first. Before we would measure we tried to obtain the qualities of what should later be exactly measured. I felt that, in order to please the "authorities," the observers overloaded their reports with unnecessary, even misleading details. What was important was first of all not where a UFO was seen or when, but what impression it made, how it affected the observer both emotionally and physically; not whether the observer was a pilot—pilots can be irrational, as anyone else—but whether he talked straight; not the exact altitude of the UFO, unimportant at this point, but whether its movements were out of the ordinary, unknown. And last but not least, in order to obtain reliable results, regardless of whether positive or negative, one had to assume that the object under investigation was real and worth the effort. It is senseless to eat a sandwich and to proclaim at the same time that it does not exist. If it does not exist, then leave it alone, don't eat it, and keep silent, to say the least.

Here we have a few rules of conduct to follow in the study of UFOs. These rules, far from complete, emerged from the process of observing the sky during the last few years. These rules have been corroborated by the results obtained in Desert Research and practical work with DOR and rain clouds.

Having become acquainted with the rules of observation we shall gain confidence in our judgments and in the opinions of others. We shall no longer hang on to the tails of public opinion or to a non-existent authority on matters utterly unknown and strange. We shall gradually become experts ourselves in the mastery of the "Knowledge of the Future."

Having freed ourselves from our dependence both on public opinion and on our own urge to please, impress or convince non-existent "authorities"; having learned how to rely on our observations only, we may proceed with confidence in our observations and experiments.

First, we make ourselves at home in some region of the globe and of the sky by living, as it were, continuously with
our field of operation. I knew the region around Orgonon well within an approximate radius of 100 miles. Daily routine trips through this region, equipped with field glasses, Geiger counter, photographic equipment and other necessary instruments made it possible for me to see nuances of change in vegetation, changes over only a few weeks or even days, the role mountain ranges play in the drift of clouds; the shape of clouds over certain areas; the "feel" of dipping in and out of what later came to be called "DOR pockets," etc. It also made it possible to adapt myself to the particular changes in the background counts which characterized the region. For example my report on the blackening rocks (OEB, 1952),* tells of a wedge of high counts into a region with near normal background activity on routes 17 and 2 in Maine near Rumford. Without the knowledge of the shape of the mountain ranges in relation to the location of Orgonon such a finding may have escaped me.

During the Arizona Ea operations, 1954/1955, as well as during the Washington Ea operations 1955/1956 a certain region was designated as research territory. The rule was strictly adhered to, to drive a certain route daily from and to base, 80-100 miles in Arizona, 40-50 in Maryland, to get acquainted with the region, to know its vegetation well, even single trees or groups of chollas, certain patches of desert sand, certain dried-out river beds on mountain ranges, the bottoms of river beds in the valleys, etc. We learned during these operations to avoid any pretense of exactness. Taking pictures immediately or measuring something without knowing what one measured, why or to what end, or writing endless protocols, was only confusing, empty of true knowledge. The rule was strictly adhered to in order to know the research object well by mere observation and coordination of observation, before quantitative tests were made. This secured crucial coordinations such as background counts with cloud forms in the sky or DOR accumulation over the region. It led to important conclusions regarding the effects of Ea on climate and vegetation.

There is little use in determining quantitative properties of an unknown object or realm before having obtained sufficient orientation about its basic qualities, appearance, behavior, functioning, inner dynamics, development, etc. It not only tells nothing whatever about the unknown; it prevents us from really getting at it. It gives us the illusion that we know something if we can determine "exactly" at what hour, minute, and second, at what latitude and longitude, etc., we saw the unknown. This is important where locations of known objects are concerned. It is of secondary or of no importance, it may even distract from the issues at stake where unknowns are concerned. There is no use wasting time and deceiving oneself about being an "exact scientist" in counting the number of words a man talks per minute at a certain hour of the day in a certain building, if, what bothers him and drove him to us as doctors, is a severe bellyache which could not be diagnosed by scores of physicians. The first thing to do in such cases is to relax, sit down, look at the patient, chat with him and get "the feel" of him, a feel so very much despised by "exact scientists" as "psychology" or "mysticism." Such "scientists" are no scientists at all. They are ignorant with respect to the crudest, basic scientific rules of observation; to the intricate relations between observer and observed; to the inevitable influence of sense impression and emotional structure of the observer on the observed. A compulsive-neurotic doubter in science will doubt and talk away everything, no matter how much evidence there is. An arrogant stiff-neck in science will remain inaccessible to any kind or amount of most impressive demonstration. It does not change the situation a bit that the sick man hides his compulsion, ignorance

* Orgone Energy Bulletin.
or arrogance behind a veneer of fake scientific objectivity. Being "scientific" means being open-minded, ready to accept anything if certain conditions of objectivity are fulfilled; of being positive, and not negative in examining a new realm of knowledge. These are banalities indeed, as old as good, true science itself.

I shall present on the following pages some drawings and photographs of phenomena unknown to science. I do not present them in order to convince anyone. The sole objective is to explain some of the methods used in the Ea work. I shall omit dates, locations and similar data in order to concentrate on the principle of reliable observation, and not on secondary matters of presentation of facts irrelevant at the moment. This will also help in keeping the frightened, neurotic, "critical scientist" off the scene of our serious debate.

Synoptically the following characteristics of unknown objects, Ea in our terminology, were found important in celestial observation:

**Differentiation Between Ea and Stars**

**Known**

1) **Color** of fixed stars: steel blue; shimmering on clear days; not shimmering before onset of rain.  
2) **Size** of fixed stars: smaller than Jupiter.  
3) **Location** in known spot, nightly visible according to known astronomical schedule.

**Unknown, Ea, UFO**

1) **Color**: Yellow to red or white, flashing, pulsating. Changing color from yellow to red or green and vice versa.  
2) **Size**: Mostly larger than Jupiter.  
3) **Location**: Irregular upon systematic nightly observation. Eas sometimes absent, or appearing suddenly in middle of sky, vanishing suddenly, etc.

**Movement** at times regular in accordance with either fixed stars or planets on ecliptic. But also deviating grossly in speed and direction. Photographic relation to fixed stars important. (See deviation, pp. 17, 18.)

An Ea may appear like a star on Eastern horizon, then move slowly along horizon to south and sink below horizon in west. Ea of the silvery type change speed abruptly, go against the wind, wobble like spinning tops, disappear suddenly, affect electro-magnetic instruments, cause clouds to disperse.

Eas hover in sky, on mountain slopes; maneuver; give impression of watching ground beneath. Often move with stars in setting; but also may follow no rules at all.

**Spacegun effect** dimming, no fading. Only general region darkens somewhat. No special sensations.

Upon correct drawing off energy there follows slowing down, dimming, fading, disappearance, change of direction.

Sour or bitter taste on tongue, nausea, at times loss of equilibrium.
7. **Known**

**Meteorites** streak across a stretch of sky with a bright flash, beginning and ending sharply, occurring in irregular, varied directions, mostly toward the ground.

**Unknown, Ea, UFO**

May appear to be meteors. Ea only visible with strong field-glasses upon prolonged careful observation of certain stretches of sky in very high altitudes, moving either in groups synchronously or in quick succession over the same area in the same direction, with approximately the same speed as if in military formation, often parallel, not perpendicular to the ground.

Ea is a new event without precedent in our lives. Humanity, with the exception of a few philosophers, had no idea of the possibility of visitors from outer space. Earthman had not developed any view, method or scientific tool to cope with the problem. In addition he has developed in his offspring a character structure and a kind of thinking which obstructs the approach to the new fact by way of ridicule, slander and outright threat to the existence of the pioneer of space engineering. Therefore, our new approach must start from scratch, as if no science existed at all. Men, upon return from the moon, when asked whether there are barber shops on the moon similar to that on the corner of 42nd St. and Broadway in New York would say: There are none; period. Neither are there "authorities" on the moon, we must add. There are no authorities on these new matters.

Astronomy has to start from scratch. And "scratch" here signifies the fact, that both the Copernican as well as the Keplerian theories, the "perfect" circle and the "perfect" ellipse, are inapplicable to the true movements of the solar system. The sun moves onward while the planets "circle." There are, accordingly, no closed circular or elliptical paths around the sun. The circles and the ellipses are necessarily replaced by spinning waves (KRW, Swings, ~) in various spatial relations to the sun, by irregular accelerating and decelerating speeds as in spinning tops, by curved general pathways, etc. This example may suffice to clarify the inevitable new approach to astrophysics.

It is, therefore, understandable that a panel of top scientists established in 1952 to screen the UFO came to the following conclusion:

"We as a group do not believe that it is impossible for some other celestial body to be inhabited by intelligent creatures. Nor is it impossible that these creatures could have reached such a state of development that they could visit the earth. However, there is nothing in all of the so-called 'flying saucer' reports that we have read that would indicate that this is taking place." ("Report on Unidentified Flying Objects," 1956)

Ruppelt continues:

"The Tremonton Film (an actual film of UFO's) had been rejected as proof but the panel (of experts) did leave the door open a crack when they suggested that the Navy photo lab re-do their study. But the Navy lab never re-checked their report."

It is quite understandable that the U. S. Navy did this. One cannot judge functions of one element, while living in another. One must live things to judge them. The problem lay buried in the vast realm of the Life Energy.

Though the present theories are wrong, do not reflect space reality, the calculations are correct; the predictions of astronomy, if I am correctly informed, are true. I know nothing about the behind-the-scenes affairs within astro-
nomie circles. However, there is little doubt as to the confusion created by the old Egyptian and Greek names given to "constellations." They are artificial, correspond to no reality. Man's ideas about his gods and not functional groupings of the stars, if any, determine the "constellations." They should be abandoned as quickly as possible, since they are misleading, preventing us from looking at the stars unbiased by arbitrary designations.

I confess that I never could remember well the various god or animal names; nor could I ever make out any similarity with actual star patterns. Other groupings seemed just as possible. I succeeded in the course of decades to lose my feeling of ignorance. I began to see most thrilling patterns of groups of fixed stars which suggested groupings according to superimposing spinning waves. I may be entirely wrong in this. Neither would I like to add to the existing confusion and paralysis of astrophysical thought. Instead, I would like to present an example of naive star photography. The following photograph was taken one night during the expedition in Arizona with no special objective in mind. I needed a photograph of pathways of stars. I am omitting concrete data since they are irrelevant here. They should not distract from the main subject.

The photograph of star-tracks was taken with a Leica, with aperture 3.5, at night without moon, directed toward a certain group of stars near zenith:
At first sight the photo shows no irregularities. Upon careful study, however, one track (see arrow) proved on the enlarged photo about 2 millimeters longer than all the other tracks, which are exactly identical. This little piece of evidence is enough to justify the "FROM SCRATCH" point of view. The quantitative difference is irrelevant here. The qualitative fact of one track being longer is what matters.

Upon closer examination of the tracks we find a deviation of the same "star" track from the parallel run of the rest of the tracks by about 2.5 degrees. We shall strictly withhold any idea or opinion of what this astounding fact may indicate. We must proceed without submitting to being shackled by theory.

Fig. 2. Deviation of the "longer" track

Two Successive Ea Photographs

The following two photos were taken on two consecutive clear nights at Little Oragon in Arizona during the winter months of 1954/1955. Again, exposure, exact hour, day of the month are here omitted as irrelevant. Only what we see counts.

These are extraordinary celestial phenomena. The time of night, the duration of exposure, the aperture and position were the same in both pictures. The identity of the location is evident from the identity of the landscape. The brightness reflects the lights at Tucson to the south of Little Oragon, some 8 miles away. The two pictures differ greatly, contrary to astronomical pictures. They present tracks of Ea in terms of Orgonomy, UFOs in the parlance of the Air Force Technical Intelligence:
PHOTO A: An En under ORUR to the LEFT (East) of trees. Note disruptions—"fading out."

PHOTO B: En, appearing suddenly (middle arrow, to the right of trees the following night at the same time and same exposure). Two upper arrows mark deviation and three times "fading out."

Fig. 3. Two En photographs
1. Photo A shows the track low above the tree to the left (or east), while Photo B shows the same object to the right (or west) of the same tree.

2. The track in A is much shorter, nearly half of the track in B during the same period of exposure. Track B appears suddenly in the photograph as if the object had entered the sky from nowhere, as it were.

3. Track A shows several interruptions: The object was still there in the dark areas, but did not luminate.

4. Track B shows no such interruptions in the emission of light. It appears SUDDENLY in the photograph (middle arrow) as if from nowhere, moving westward (to the right). It appears suddenly while another object moves apparently much faster higher up. This second object appears on the photograph plate at the beginning of the exposure. It shows a "wobbling" curve at the first arrow and three regular interruptions of light emission at the third arrow.

5. There are on the Photo B a few other parallel curved lines fainter than the lower two. The Photo A does not show any of these additional tracks.

We shall forego any attempt at an interpretation. It is the set purpose of this account to train ourselves in suspending judgment, in omitting well available quantitative description, in not telling when these photos were obtained. We must keep this first approach to the Ea problem strictly observational in order to find a first orientation as to what to look at, what to expect as being "unknown" in the sky. We do not wish to be negative, obstructive. We want to be affirmative in our approach; affirmative in a careful, step-by-step, observational manner.

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CHAPTER II

THE "SPACEGUN"

The Atmospheric "ORUR" Effect

The summer of 1954 was mainly spent with preparations for the expedition. We had learned in two parallel lines of observation that the white and the black powdery substances, Orute and Melanor, were related to drought, dryness and discomfort in man, animal and vegetation alike. At the same time, a relationship was established between these atmospheric conditions and the presence of the big, yellow and reddish pulsating "stars" which we had learned to distinguish from planets and bluish fixed stars. But, as is to be expected in such situations, we were not sure by any means that the established correlations between Ea and drought were correct. Therefore, the old idea to go to the fully developed desert and test our observations there, gained in importance as the weeks passed by.

The preparations became concrete. With these preparations getting along well, it struck me as peculiar that I had so completely abandoned the original Oranur process of 1951. When the atmospheric DOR emergency had become unbearable at Orgonon, the small amounts of nuclear material, three milligrams of radium and a few micrograms of radioactive cobalt, had been buried in an uninhabited area on Route 17 toward Rumford, about 15 miles from Orgonon. For more than three years now this material had been buried in the ground within heavy lead shielding. Why not test this material again before leaving for Arizona, I thought. The idea seemed well-founded. On September 21, 1954, the radium was brought back to Orgonon and was tested immediately with the 4096 Tracerlab Auto-Sealer.

The results were recorded in the following original protocol. In order to compare with the original activity on April 28, 1951, the report of that date is reprinted here in full regarding Radium needles 1 and 2:

Measurements of Two Needles of Oranur Radium (one mg. each), in Shielding and Naked, at GM Autoscaler, April 28, 1951, 3 P.M.

All measurements at one cm. distance. Each measurement average of several measurements.

<table>
<thead>
<tr>
<th>Material</th>
<th>Scale</th>
<th>With Shielding</th>
<th>Naked</th>
<th>Time in sec</th>
<th>CPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ra 1 (1 mg. untreated)</td>
<td>4096</td>
<td>+</td>
<td></td>
<td>0.8</td>
<td>307,200</td>
</tr>
<tr>
<td>2. Ra 2 (1 mg. OR-treated)</td>
<td>4096</td>
<td>+</td>
<td></td>
<td>1.05</td>
<td>245,760</td>
</tr>
<tr>
<td>3. Ra 2</td>
<td>256</td>
<td>+</td>
<td>+</td>
<td>0.4</td>
<td>43,000</td>
</tr>
<tr>
<td>4. Ra 2</td>
<td>4096</td>
<td>+</td>
<td></td>
<td>2.8</td>
<td>81,920</td>
</tr>
<tr>
<td>5. Ra 1</td>
<td>4096</td>
<td>+</td>
<td>+</td>
<td>8.3</td>
<td>28,877</td>
</tr>
<tr>
<td>6. Ra 1</td>
<td>4096</td>
<td>+</td>
<td></td>
<td>0.8</td>
<td>307,200</td>
</tr>
<tr>
<td>7. Ra 2</td>
<td>4096</td>
<td>+</td>
<td>+</td>
<td>0.8</td>
<td>307,200</td>
</tr>
<tr>
<td>8. Ra 2</td>
<td>4096</td>
<td>+</td>
<td>+</td>
<td>3.0</td>
<td>81,920</td>
</tr>
<tr>
<td>9. Shielding alone</td>
<td>64</td>
<td></td>
<td></td>
<td>3.15</td>
<td>1,280</td>
</tr>
<tr>
<td>10. Microgram Ra—OR-treated 5 yrs.</td>
<td>4096</td>
<td></td>
<td></td>
<td>0.8</td>
<td>307,200</td>
</tr>
<tr>
<td>11. Watch, one month owned</td>
<td>4096</td>
<td></td>
<td></td>
<td>10.0</td>
<td>24,576</td>
</tr>
<tr>
<td>12. Watch, 2 yrs. owned</td>
<td>4096</td>
<td></td>
<td></td>
<td>10.0</td>
<td>24,576</td>
</tr>
<tr>
<td>13. Calibration after measurements</td>
<td>256</td>
<td></td>
<td></td>
<td>4.15</td>
<td>60</td>
</tr>
</tbody>
</table>

Before proceeding further, let us again review the facts in their interrelations, and not singly:

**First:** The naked NR material gave a much lower count (one tenth) than the same material enclosed in heavy lead shielding.

**Second:** The ten times higher count in the atmosphere around the shielded NR material is a function of the OR energy fighting against NR.

**Third:** As soon as the interaction between OR and NR is stopped, the high OR activity vanishes and sinks down to the normal atmospheric level.

**Fourth:** OR energy alone does not react severely unless irritated by NR.

B. Oranur, Second Report

Protocol (upon arrival): September 21, 1954, 12:00 noon

Subject: GM reactions to Oranur-affected radium

Present: Wilhelm Reich, M. D., Thomas Ross, Robert McCullough

At 12:00 noon today Mr. Ross brought back to the Observatory the box containing the 3 milligrams of radium,* which had been buried 15 miles to the southwest of Orgon. Since March 31, 1952, an immediate background count of the general area was made with the SU-5 survey meter. It gave 150 cpm. With the unshielded counter tube held one meter away from the box of NR, the count was 8-900 cpm. With the tube laid on the top of the box, it was 8-9000 cpm.

One 1 mg. radium needle was then tested with the larger and more sensitive G-M tube and Autoscaler. With

* The third milligram was referred to in the First Oranur Report (1951) as the last control NR, on pp. 324-325.
the needle naked at a distance of 1 centimeter the count was 2457.6 cpm (against 16,000 in 1951, WR). With the radium needle reinserted into the lead case it had been enclosed in and the counter tube 1 centimeter distant from the case, the count was 163,840 cpm (against 7000 in 1951). Notes: One water-tight lead radium container was found to be almost full of what appeared to be water. The screw cap was greased and no plausible reason was evident for the presence of the water. WR had the box of NR placed touching the cables of the Cloudbuster. Immediately following this, a general feeling of well-being was marked in two persons. There was a sudden brightening of the rocks and vegetation; distant mountains, which had been black, suddenly became blue; the sky cleared and the west wind started. WR remarked that his organism seemed to be filling up. BMC noticed that his hands were filling out to their former fullness. Deep full breathing could again be enjoyed. WR's dog Troll showed no aversion to the box of NR.

/s/ Robert A. McCullough

C. Oranur, Second Report


Present: Wilhelm Reich, M.D., experimenting. William Moise, Robert McCullough, taking protocol.

Place: Orgone Energy Observatory, Orgonon, Rangeley, Maine.

Subject: G-M Rates of Oranur-affected NR (of 1951).

/s/ Wilhelm Reich

The large double lead container containing one of the 1 mg. radium needles that had been used in the Oranur Experiment was brought into the Observatory and the C.P.M. rate was taken with the 2.3 mg./cm² counter tube and the Tracerlab Autoscaler. The results follow:

1. Radium in the double lead container—1 cm. distant
   Scale 4096 10.65 sec. 24,576 C.P.M.
   11.63 sec. 22,000 C.P.M.

2. Radium in smaller, inner lead container—1 cm. distant
   Scale 4096 2.50 sec. 98,304 C.P.M.
   3.65 sec. 70,246 C.P.M.
   2.00 sec. 122,880 C.P.M.
   59.10 sec. 4,096 C.P.M.

3. Radium needle naked—1 cm. distant
   Scale 256 13.50 sec. 1,024 C.P.M.
   11.42 sec. 1,490 C.P.M.
   Scale 4096 5.5 minutes 702 C.P.M.

4. Empty large lead container—at 1 cm. distant (Radium removed)
   Scale 64 1.0 sec. nearly zero
   1.0 sec. nearly zero

5. Calibration after measurements
   Scale 256 4.15 sec. 60 cycles
   Threshold voltage 1200 volts.

/s/ Robert A. McCullough
Research Associate
Radium 1 and 2 had lost much of their activity of 1951. The third needle which had not been treated with concentrated OR energy was much lower than even its own original rate of 16,000 CPM naked at 1 cm. distance from the counter tube. The great vacillation, the activity of the material, is as striking as the far higher rate within heavy lead shielding.

These were basically new phenomena. The basic feature of a far stronger activity within shielding remained to this day. The activities without shielding varied greatly all through, since 1954, with place, climate, transportation, etc. It was heretofore impossible to find any mechanical lawfulness in these oscillations.

Technological Use of CRUR

The new use of the Oranur material in connection with the desert project in Arizona came about in the following manner, while we were searching desperately to alleviate our physical distress. I quote from my Log Book, date September 21st and 28th, 1954:

September 21.
McCullough packing truck * * *
My ankle swollen from bad DOR at Orgonon; left ankle hurts, swolen and inflamed * * (my family gone * * ) I am alone, abandoned here.

September 28.
I called Moise and Eva to be at Orgonon around October 1, for packing * * * Packing proceeds.
In this morning 5:30 a.m. very strong till 6:30 a.m., drawing off energy, felt by WR (causing fast heart, 2 x vomiting, fatigue, depression); Helen Tropp woke.

Mrs. McCullough felt weak, nauseous; Mrs. Tom Ross, too * * * I felt like giving up, dying * * A bright yellow star was hanging low in southern sky. Time to go to Arizona.

Oranur Weather Control richer by reinstatement of OR + NR, stopped by separation, with NR + Pb (container) 40,000 CPM.

DOR easily removed by OR ++++ (meaning OR + Pb).

Principle: Irritated OR causes Expansion. Sky clears, blue within minutes.

This was a tremendous step forward. Heretofore, the clearing of the atmosphere had been done by drawing off the DOR clouds into a lake. Now, within a few seconds, the sky cleared and became blue in zenith and far around the horizon upon Orurization. The name ORUR was later coined to distinguish this operation from Oranur. In the latter, original nuclear material (NU) irritated concentrated atmospheric OR energy, making it run amok or change to DOR. Now, on the other hand, NU, rendered harmless by Oranur and weakened in radioactivity, was changed to OR behavior in the opposite direction from Oranur, as ORUR. It was low energetically when not within lead or metal of other kind. However, as soon as it was put into lead the counts climbed instantly outside the lead container up to dozens of feet to 40,000 or even 100,000 CPM measured with the SU-5 Survey meter. This was news, indeed: The atmosphere could be charged, "Orurized," directly by ORUR.

I repeat: The Oranur material gave naked no, or only a negligible, GM reaction. The lead container, too, gave no reaction. But the moment the two were brought together as far away as from two to three feet, the GM counter (SU-5) soared to 40,000-100,000 CPM. This was astonishing as it was incomprehensible. It was unknown and
somehow weird. A few days' observation revealed the fact that ORUR was an extremely powerful tool. If used only a few seconds, two to five, it cleared the sky of DOR. The DOR hovering low and dark over the landscape, especially in the valleys, seemed to turn blue-gray from horizon to horizon. If used too long, depending on the weather from 20-60 seconds, clouds began to form nearly instantly; and rain would set in a few hours later. Also, gray even clouds that "could not pour out their water," gave a gentle downpour immediately after ORUR-ization. This was found out the hard way when we overdid once during the first few tests. Later I learned to respect the great sensitivity of the atmospheric energy and the power of ORUR.

The reaction of the atmosphere seemed more effective when the ORUR material was moved in and out of the lead container. At first, ORUR was used apart from the cloud-buster. But soon the two were combined. We would draw off some DOR from zenith and around the horizon first and then "ORUR" from the west or southwest. The southwest direction seemed particularly effective. We soon learned that touching the southwest-northeast galactic direction (see CORE, Vol. VI, 1954, p. 92) for a few seconds would make the blue-gray OR energy stream in rapidly, covering the formerly blackish dirty-looking mountains with a fine blue-gray haze. The change in the atmosphere was immediately felt by all observers. Even dirty steel-gray DOR-affected rain clouds seemed to fill up and become white in a brilliant, formerly dull, stale atmosphere.

The idea forced itself upon me: It will be possible to draw off DOR from the deserts and draw in moisture from the Pacific Ocean. The ORUR-ization effect of September 29th had reached as far as 170 miles toward the coast where my daughter lived. She had witnessed a sudden clearing of DOR and a fresh brilliance in the atmosphere. She had thought that I had done some new experiment to the west at Orgonon.

We Were Being Watched...

New facts which are out of step with routine experience should not be denied or ignored; they should be pushed aside again and again until they force themselves upon the observer as true and objective and can no longer be ignored. This was done with the impression we all had had during the preparatory operations at Orgonon: We were being watched. It is still hard to believe it today. However, a symphony of relevant facts forced its way through to reality. There were three series of processes which were related to this. They were initially independent of each other; they were experienced separately without communication by three different groups:

1. We had begun "drawing" energy from Ea; their lumization was weakened or even extinguished; they moved conspicuously out of order on several occasions at Orgonon during 1954.

2. McCullough went through an experience of the strangest sort on October 13th, en route to Arizona, near Kansas City (see his letter of October 19th, 1954, p. 129). This event fell into line with an event we witnessed on December 14th, 1954, the day when ORUR arrived by plane at Tucson, Arizona.

3. Moise was ordered to report our contact with Ea to the ATIC headquarters in Dayton, Ohio. The Air Force officers who received this report were burning interest, but seemed not surprised at what he told them. (See verbatim report by Moise, p. 79).

We shall deal with each of these independent processes separately, but we shall keep them in our minds integrated as parts of one single process Ea:

ORUR operations on earth seem to be carefully watched by living beings from outer space.
Continued Contact with Ea at Orgonon, September - October, 1954

On September 29, 1954, while orurizing the atmosphere on the hill near the Observatory, I saw, looking skyward above me at 10:45 a.m. four black-gray craft traverse the Observatory region at high speed, unusual for earth craft, including the fastest jets, at great altitude within two seconds from northeast to southwest. They flew in formation.

A potential of 40,000 to 60,000 CPM had been artificially created a short while before with ORUR. I orurized the atmosphere daily now since the DOR effects returned promptly a few hours after having been removed. The "Spacegun," i.e., the integration of ORUR and Cloudbuster was conceived by me on the same day:

Protocol: September 29, 1954  Invention of Spacegun

Subject: Combination of ORUR and Cloudbuster

WR informed me today that he conceived the idea of the combining of Oranur and the Cloudbuster for the enhanced operation of both. WR further stated that he will try a long Oranur reaction with the next hurricane that develops.

/Signed/ Robert A. McCullough

The technological development of Oranur toward ORUR operations rushed onward speedily in logical steps.

The morning of September 31st was striking. We had cleared the sky. An extreme, fast-forming humidity deposited heavy moisture on the window panes, on cars, on rocks and on meadows. The temperature and climate felt subtropic. Brown and yellow leaves were turning green as we looked at them, observed by McCullough, Tom Ross,
an old woodsman, and myself, raised on a farm. All weather reports were upset that day. The Air Force seemed very active overhead; many planes were circling our region. A red plane flew five times over and around Orgonon. We were used by then to these inspections of our grounds from the air by various airborne observers. We had cleared the sky. Our feet felt heavy when we walked the steps to the Observatory. This phenomenon was well known to us as a consequence of strong Uranur; the pull of gravity was stronger (to be dealt with in a different context).

On the evening of October 5th-6th four of us saw three large, pulsating, yellow Ea hanging low over the southern horizon and one to the northwest over the Observatory. They had not been there the night before.

McCullough had left with the truck in the morning, October 7th. The same evening, October 7th, four Ea were hanging still, big, motionless, strongly pulsating in the sky, three to southeast and one to northwest. One Ea appeared later, as so often out of nowhere, as it were, directly over the Observatory.

My Log Book tells me that DOR had made us miserable that same day 11:00 a.m. I removed DOR by Orurization at 5:00 p.m. The sky went blue-gray again. A note in my Log Book reads as follows: "Today, 10/7/54 some people feel as if drawn out of energy, suddenly, and stopping suddenly. The mountain ranges are hokterless, black, the sparkle gene that had enlivened the landscape during the past two weeks or so, when NB-OR was used (ORUR). There is no doubt that I am at war with Ea. What seemed only a possibility one year ago, is certainly now. They either 'hide' among the stars, or they move on some pathways, i.e., they are in same fixed positions with respect to earth (as are the fixed stars). The switch-like, sudden sensation of being drawn from or being relieved was reported by many workers.''

"October 8/9/1954: 4.5 Ea in sky last night again, beginning 10:00 p.m., with 'drawing off' felt. One moved slowly to north, then upward, appearing and disappearing. Southern red ball not there after 9:00 p.m. I operated twice, 20 seconds each at 0.6 Uranur with good result. Two days' dull blackness gave way this morning to stronger, distant blue and sparkle. Ea was ineffective, it appears."

Two Air Force planes searchingly circled the observatory that same day.

The Second OROP Ea

On October 10, 1954, about 19:00 hrs. we noticed a large red object in the sky to the west, low above Bald Mountain. We orurized the atmosphere and drew directly from the Ea a few minutes after 19:00 hours, one minute. To our amazement the Ea moved from the first to the second position in the following sketch from Log Book, p. 50, that is, to the south.

![Sketch of Ea movement](image-url)

The Ea had also become smaller, less red and it was somewhat higher in the sky. It certainly was neither a planet nor a fixed star according to this behavior. Operator Eva Reich saw it later sink down beneath the horizon.

A second, yellow object to the west at approximately 30° up faded out at 19:30 hrs. after a two minute direct
Orur draw. It came back faintly twice and finally was no longer visible with binoculars. We had the distinct impression of a struggle, fading alternating with strong flashing pulsation, wobbling, moving in various directions. It moved south to north while struggling:

It disappeared after weakening, waning and blinking. It returned and went out again 19:53 hrs., came back to luminate once more at 19:36, became fainter, smaller, as if further away in the west. At 20:08 all of them at the same time, 1 south, 1 north, 1 west, 1 northwest seemed to remove themselves, growing smaller and fainter, as if by common command.

I was about making these notes in my Log Book in my study with my lab watch timing the events when I heard at 20:11 hrs. Eva Reich and William Moise exclaiming on the observation deck: "A flare!" A flare had just streaked down eastward from zenith. I had not seen the flare myself that evening but I saw many at other times myself. They were abundant in Tucson the night Orur was flown in, according to reports by those present at the airport (see Tucson report, p. 199) upon arrival of the ORUR material.

At 21:35, one hour and 24 minutes later the Ea to north and south were again there; they had climbed higher in the sky, against the regular star movement. Ea to west and northeast were no longer visible.

This operation Ea was phoned through after conclusion, to our secretary, Mrs. Helen Tropp, in the nearby Rangeley village. A note in my Log Book, p. 52, 1954, reads as follows:

"Tonight for the first time in the history of man, the war waged for ages by living beings from outer space upon this earth (with respect to DOR, Drought and Desert, WR, 1956) was reciprocated with ORANUR with positive result."

The days had been replete with shaking events. Fortunately, I had become used during Oranur to such events and I had trained a few students well enough to stand by me without running away, as so many had done before under the pressure of DOR.

I wish to quote from the First Report on Oranur, 1951:

"We may assume that the OR energy ocean which fills all space is the carrier of the vibrations related to light. However, the relationship seems to be a much closer one. The OR energy unit itself as it develops from and sinks back into the OR ocean, emits light, strongest and sharpest at the peak and weakest during the period of rise and fall.

"Careful examination of the dots on photograph (Fig. 7a, below) reveals several most interesting details:

1. Most of the dots are black, only a very few are white, i.e., corresponding to effects of ordinary light.

2. Every single one of the black dots has a sharp 'center' or 'core,' and a less sharp periphery or 'field.'"
"3. The intensity and the size of the single dots vary greatly.

"4. Some of the white dots show a sharply defined black center.

"It is advisable not to interpret all these details at once. A major mistake made at this moment might well jeopardize a correct explanation for decades. We can, however, coordinate one definite characteristic with what we already know about OR energy functioning:

"1. The units of OR energy are not rigidly equal. There are not two units exactly the same in size or intensity.

"2. Each dot shows, if well developed, a 'core' and a 'periphery,' the former always more intense than the latter (Fig. 7b, below).

"3. The white field around some of the black dots points to a luminating area around the OR energy unit. This is exactly what we see with our eyes in the darkroom: The luminating centers have a luminating 'aura' of lesser intensity.

"This coordination of the physical with the psychological observation forms a sound foundation for further investigations.

"The black and white dots we see on the photograph also agree with the theory we have tentatively built to comprehend the functioning of the cosmic OR energy. What we see are most likely the peaks of the single units. If we cut one of the well formed single units crosswise, we can easily see that the point is surrounded by a less luminating field.
"We wish to stop at this point. Further research will probably amplify these first theoretical formulations.

"Let us summarize our results so far:

"1. The primordial substratum, the cosmic OR ocean, is moving in an undulatory fashion and in a certain direction in our planetary system from west to east as a whole, faster than the planetary globe.

"2. Out of this undulating substratum innumerable single concentrations of OR energy emerge, comparable to sharp crests of single waves of greatly varying intensity and extensity (Figs. 7c and d).

"3. Both the OR energy ocean and the single OR energy units luminate.

"4. The natural color of the general substratum is bluish-gray or bluish-green sky, ocean, protoplasm, bions, etc.; that of the concentrated units is deep purple or violet. Gross, streak-like concentrations appear whitish-blue and are rapid, in contradistinction to the other types of OR movement (Figs. 7e and f).

"5. The formation of concentrations to single distinct units follows upon excitation of the OR energy ocean in various ways: Presence of other orgonotic systems, electromagnetic sparks, metallic obstacles, and, foremost, nuclear energy.

"6. The basic character of all these phenomena is of a functional nature. There is nothing mechanical, rigid, or absolutely identical in it. Yet, there is clearly a CFP at work, a common law which governs all distinct units, may the variations be ever so manifold. Each single unit possesses a sharp 'core' and a less sharp 'periphery.' This agrees with the bio-energetic structure of every living organism and also with planetary systems. They, too, are composed of a core and an energetically weaker periphery.
"Each single unit passes, accordingly, through four typical phases:

1. Birth through concentration of a certain amount of primordial energy.

2. Rise in energy level through further concentration: 'Growth.'

3. A sharply luminating peak, most closely allied to a point of light.

4. Decline and death; the unit merges again with the substratum. Thus, birth and death, growth and decline, the CFP of all living and nonliving nature, seem to be preformed already in the basic functioning of the single, tiny OR energy unit. Each unit is a unique, unrepeatable event. Yet all orgone energy units follow a common law of functioning. Lawfulness and endless variation are thus not incompatible opposites; they are paired functions of the CFP of nature in general. -May, 1950"

(The Oranur Experiment, First Report, 1947-1951.)

Conclusions Regarding Influencing Ea with ORUR - Spacegun

(1) The energy equilibrium of Ea can be disturbed or even put out of order by withdrawing energy from it directly. Its behavior is directly related to the successful operations.

(2) Signs of Ea having been affected: At first stronger blinking as if due to reactive struggle; fading, repeatedly interspersed with stronger lumination; getting smaller possibly with field shrinking; appearing to recede into greater distance; fading out completely with or without reappearance of lumination (see photos, pp. 20, 21); summary simultaneous disappearance of many Ea as if on common command; flares of warning (!) dropped from sky as if in alarm; erratic movements out of order.

(3) The power of the Oranur Spacegun is tremendous due to the sensitivity of the OR energy ocean. Early regulation and coordination of its use is paramount to planetary safety from abuse by Higs.

Due to the long, drawn out operation on October 10, 1954, it rained gently on the morning of the following day.

The court in Portland was informed that same day that the activities of the Orgone Institute Press in sending out our literature, enjoined by Higs, would be resumed. Our Ea work was infinitely more important than an order which had been inspired and unlawfully obtained by Moscow Higs and was issued by a well-meaning but misled Judge. (See WR: "Atoms for Peace vs. The Hig," Address to the Jury, History of Orgonomy, A-XII—EP, Supplement 3, text of letter to Judge Clifford verbatim.)

That same day, too, I reached an understanding of how Orur worked; why the counts soared so high when an other-
wise inactive ORUR was put into heavy lead shielding. In the open, without metal shielding, ORUR was peaceful, inactive, corresponding to the foggy type of existence. When put into the lead container, the field was apparently restricted and ORUR changed from the foglike to the pointed existence as seen on the lighted green screen and on photographs. This activity was responsible for the high GM action up to 100,000 GPM. It was the restriction of its peaceful activity which caused its "warlike" behavior. Why had I not seen this simple logic in the behavior of the Life Energy sooner? A peacefully living wild animal, if forcefully restricted, would suddenly act exactly the same way, or rather the OR energy within the animal acts the same way as ORUR within lead.

All biological motion, inner as well as locomotion, appeared now to be the reaction of OR to restriction of its free motility; it changed from the foglike to the pointed existence. The luminating points (see "Oranur Experiment, First Report," p. 156 and Fig. 8, p. 42 above) are mechanical discharges and thus constitute the source of a motor force. The action of the OR motor belongs here: An even sequence of impulses, registered on the GM counter, at a rate of at least 3,000 per minute, sets a motor into motion (see "Orgone Energy Bulletin," 1948). Also, a dog gone "asleep," wakes up again with sensations of ants crawling or fine needles pushing toward the skin surface. Good theory formation began to pay off. The assumption was fruitful in that it permitted further development to take place in the Arizona desert. It deserves further special, careful study.

The northwestern yellow Ea, the same which had faded out upon direct orurization, did not reappear in the sky after the "battle" of October 10th. There was only a red Ea bell hanging low, 5-10 degrees up, in the western sky on the northern shoulder of Bald Mountain. However, the DOR emergency continued to be critical at Orgonon. My dog, Troll, had eaten little for three days. On the 13th, he was only lying around, sick and miserable. I, too, could not eat because of nausea. My daughter felt dizzy, as if "drawn from the head." She ate little. Grethe Hoff reported by phone from Boston that her little son had been sick for two days and that he was not eating. Our bath water was black-greenish after use that day, a certain sign of much DOR having been soaked from our bodies.

The Ea seemed very active lately. The strongest draw effects were felt from the southern one. I could not rid myself of the idea that, if there were any spacemen around or if those yellow and red luminating balls represented some kind of machines directed energetically from afar, whoever directed them must have been madly minded. That same day my GM counter failed completely by fading and jamming when the Orur joined the lead container. I did not understand why, except that the activity must have been very high, too high for the device to take.

Only a few days were left for us at Orgonon. Moise and my son Peter left Orgonon for Tucson, Arizona, two days after the "battle," on October 12, 8:15 a.m. My own departure was scheduled for October 19th.

Summary of Available Data, October, 1954

This was the state of knowledge available to the expedition:

1) Increasing the energy potential in the atmosphere by way of ORUR was now available in addition to the old technique of lowering the potential at will by way of Crowning off energy with the Cloudbuster.

2) "Decrease" and "Increase" of potential could be interpreted in terms of functional physics simply as a change in the form of the atmospheric energy from the foglike (unexcited, low) to the pointed (excited, high) state.
of existence and vice versa. Only the "pointed" state of OR registers on the GM counter.

(3) There was little doubt left: One could now reach far into space with ORUR; the range was limitless theoretically, since the OR energy ocean is endless and most sensitive to stimuli as demonstrated by the processes of dawn, dusk, and our actual operations over vast stretches of space.

(4) The change from the "cloudy" to the "pointed" state of existence, or activation of OR was now possible by simply impeding its freedom of "lazy" motion or by direct irritation such as friction, sparking secondary coil systems, nuclear material, heat, etc.

(5) At that date, due perhaps to the increased DOR Emergency, we felt that there could be no doubt left as to the purposefulness of the activities of Ea: Energy was being withdrawn from our planet, with the consequences known now, 1956, far and wide as "DOR-Emergency"; decay of vegetation, the crumbling of granite rock, a feverish atmosphere. OR energy laws, mostly unknown to us earthmen, were used technically in the Ea operations. We earthmen had only just begun to make contact with these technological matters. We had, in addition to all this, to fight against the malignant activities at our backs of frustrated, dorized, neurotic individuals of our own kind. These were unmistakably represented at that time by the irresponsible activities, the conspiracy of corrupt, ignorant officials, the Higs in the FDA. "Orgone Energy does not exist," they said to the Judge, while the planet was being attacked with the use of this very same Cosmic Energy. It is little consolation that no one will remember these Higs only a few years hence.

(6) All of us who partook in this emergency felt "The war of the Universe was on," with Orgonon against its intention or design playing the role of a "Planetary Valley Forge," as it were.
CHAPTER III
CONTACT WITH THE U. S. AIR FORCE

Introduction

I shall now introduce certain activities of the U. S. Air Force as far as they were connected with Ea on the one hand and our OROP Desert Ea work on the other hand.

The U. S. Air Force is the natural organization in the western world responsible for the interplanetary developments to come. Although all other military services are involved like every single living being on this globe, the Air Force carries a special responsibility. It operates in the atmosphere and watches the frontier upward toward outer space. It is also the organization which had already some warlike contacts with visitors from outer space. (See the AAF-ATIC report by Ruppelt, 1956.) It maintains a most elaborate system of study of the Ea problem. It is therefore only natural that the Air Force became interested in my work with primordial cosmic energy. This contact was most crucial in the development of the desert work. I shall reveal as much as is necessary for the responsible planetary citizen to know about the planetary emergency. Not all can be revealed, of course. The problem is grave, new, devoid of any historical precedent, loaded with responsibility in addition to grave, unsolved problems of natural science. Only a crank or freedom-peddler will complain if some matters are kept secret for some time to come.

First Contact with the USAF

On January 28th, 1954 I happened accidentally to observe two bright yellow-orange lights moving in front of a mountain range downward toward a lake some two miles north of my "lower house" at Orgonon in Maine. This observation was reported to the Air Force:
ARCHIVES
of the
ORGONE
INSTITUTE

January 29th, 1954

To
U.S. Airforce Intelligence

Gentlemen:

I have been asked to forward to you the following report on observations made by Dr. Wilhelm Reich and myself on the evening and during the night of January 28th to January 29th, 1954.

At about 22 hours, the following was clearly visible with unaided eyes as well as with binoculars from the North window of the lower house at Orgone, Bunker, Maine:

A brightly shining light was seen moving in the direction of Badger’s Camp to the North, moving in the direction West to East among the trees and disappearing as it passed behind the trees and appearing again as it reached spaces between the trees. When the light was behind the trees, and not directly visible, a bright white illuminated clearly the surrounding atmosphere.

If there was ever any doubt about whether such moving lights were stars, meteors for moving objects, this time any such doubt was removed in the following way: The bright, white-yellow light was moving in the valley in front of Spotted Mountain, or, in other words, with Spotted Mountain as its background. The object seemed heading toward Round Pond, and later on this shining glimmer was to be seen further to the right, or to the East respectively. Within a few minutes, a second, similar, lighted object was seen again coming into the same region from the left or the West, moving toward the right or the East among the trees in the valley with Spotted Mountain as background. It was the same appearance and disappearance and the same shining glimmer. Only the second time, the shining object was moving slightly lower than the first one. There was no doubt whatsoever, to judge from these appearances, of the reality of this observation. This time “meteors stars” could be eliminated with certainty, since the object was not moving at normal speed in the area, as it were, but it was found in a region where no stars could possibly ever be.

Miss Ida Glementoff reported in the evening of January 29th, 1954, that about 12 Midnight (she did not look at the clock), she observed a similar, but brighter and larger because closer object to the East of Dodge Pond, hovering in front of Saddleback Mountain somewhere near Dallas Hill or closer. It was seen rising once vertically upward, settling down again and disappearing.

There was no fact or sentiment connected with these observations which seem to confirm somewhat subjectively colorful similar observations reported to you as observed in January 13th, 1954.

Sincerely yours,

[Signature]

ORGONE INSTITUTE
Secretary

(handwritten addition in original):

These details were dictated to me this morning. Factual observations as well as theoretical considerations are removing any doubt as to the reality of “visitors”, no matter whether from outer space or from elsewhere.

There is much more to be said about this in a different connection.

January 29th, 1954

W. Reich
M.D.
Dr. Wilhelm Reich
Orgone Institute
Rangeley, Maine

Dear Sir:

In reference to your letter of 29 January 1954 to Major John Dunning, Dow Air Force Base, pertaining to the unidentified sightings witnessed by yourself and Miss Ollendorff, subject officer notified this organization to take whatever action necessary, since this unit is interested in investigating unidentified aerial phenomena which have been observed and reported.

Our headquarters in Colorado Springs, Colorado, was notified immediately and informed of the situation. This unit was then instructed to forward to you the USAF Technical Information Sheet, Form A, (reference enclosure), so that your observations could be fully and accurately recorded. This questionnaire is self-explanatory, and no difficulty should be encountered in answering questions and making descriptions.

It is requested that this form be returned to this unit as soon as possible after completion. The questionnaire will then be forwarded to higher headquarters for thorough evaluation.

Thanking you for any and all consideration extended, I remain,

1 Inclosure
USAF Tech Info Sheet
(Form A0)

16 March 1954

Dr. Wilhelm Reich
Orgone Institute
Rangeley, Maine

Dear Sir:

In reference to telephone conversation between Miss Ilse Ollendorff and 1st Lt. Andrew Matyas on 16 March 1954, a copy of the USAF Technical Information Sheet is inclosed for your action.

1 Incrl
USAF Tech Info Sheet
1st Lt., USAF
OIC, Flt. 3-0

Andrew Matyas
March 19th, 1954

Ref: [Redacted]

Left Mt. Andrew Feltner, O.C.O., A.T. 3-0
423A D A.I.B.
Air Force Base
Fresno, Calif., Maine

Dear Lieutenant Feltner:

I am returning the completed questionnaire on "Unidentified Objects" to you for your further disposition.

A manuscript, containing a survey of the organism view on possible visitors from outer space, is awaiting publication. In view of the urgency of the problem, and the responsibilities involved, I am enclosing this manuscript for further clarification of the problems as seen from organism basis research of the past few years.

Other separate cover pertinent publications will be forwarded to you.

Sincerely yours,

Wilhelm Reich, M.D.

EGIC FOR REGISTERED ARTICLE No. 401

Special delivery fee: 6.7

Return receipt: 19.5

Enclosed invoice: 1.7

Restricted delivery: 3.0

Mail by: 0.1

For: [Redacted]

Address: [Redacted]

Date: 2/1954

U.S. AIR FORCE TECHNICAL INFORMATION SHEET

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the unidentified aerial phenomenon that you observed. Please try to answer as many questions as you possibly can. The information that you give will be used for research purposes, and will be regarded as confidential material. Your name will not be used in connection with any statements, conclusions, or publications without your permission. If you request this personal information so that, if it is deemed necessary, we may contact you for further details.

1. When did you see the object?

[Redacted]

2. Time of day:

10:10 A.M.

3. Time zone:

(Circle One)

a. Eastern

b. Central
c. Mountain
d. Pacific
e. Unknown

4. Where were you when you saw the object?

[Redacted]

5. Estimate how long you saw the object:

[Redacted]

6. Circle one of the following to indicate how clear you are of your answer to Question 5:

(Circle One)

c. Not very sure

d. Just a guess

7. If you saw the object during DAYLIGHT, TWILIGHT, or DAWN, where was the SUN located as you looked at the object?

(Circle One)

d. To your left

e. Overhead

f. Don't remember
# Questionnaire on Observation of Unusual Phenomena

### 8. If you saw the object at NIGHT, TWILIGHT, or DAWN, what did you notice concerning the STARS and MOON?

<table>
<thead>
<tr>
<th>8.1 STARS (Circle One):</th>
<th>8.2 MOON (Circle One):</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. None</td>
<td>a. Bright moonlight</td>
</tr>
<tr>
<td>b. A star was brighter</td>
<td>b. Dull moonlight</td>
</tr>
<tr>
<td>c. A star was different</td>
<td>c. Don’t remember</td>
</tr>
<tr>
<td>d. Don’t remember</td>
<td></td>
</tr>
</tbody>
</table>

### 9. Was the object brighter than the background of the sky?

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>b. No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>c. Don’t remember</td>
</tr>
</tbody>
</table>

### 10. If it was BRIGHTER THAN the sky background, was the brightness like that of an automobile headlight?

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>a. About the size of a Full Moon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>b. A block away</td>
<td></td>
</tr>
<tr>
<td>c. Several blocks away</td>
<td></td>
</tr>
<tr>
<td>d. Several yards away</td>
<td></td>
</tr>
<tr>
<td>e. Other</td>
<td></td>
</tr>
</tbody>
</table>

### 11. Did the object:

- a. Appear to stead still at any time? (Circle One for each question)
- b. Suddenly speed up and rush away at any time?
- c. Break up into parts or explode?
- d. Give off smoke?
- e. Change brightness?
- f. Change shape?
- g. Flicker, flash, or pulsate?
- h. Disappear without trace?
- i. Leave a trail behind? (Circle One) Yes No Don’t Know
- j. Leave a trail behind? (Circle One) Yes No Don’t Know
- k. Leave a trail behind? (Circle One) Yes No Don’t Know
- l. Leave a trail behind? (Circle One) Yes No Don’t Know

### 12. Did the object move behind something or anywhere, particularly a cloud?

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Don’t Know</td>
</tr>
</tbody>
</table>

### 13. Did the object move in front of something or anywhere, particularly a cloud?

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>No</th>
<th>Don’t Know</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. Did the object appear?

- a. Solid?
- b. Transparent?

### 15. Did you observe the object through any of the following?

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Eyeglasses</td>
<td></td>
</tr>
<tr>
<td>b. Sun glasses</td>
<td></td>
</tr>
<tr>
<td>c. Binoculars</td>
<td></td>
</tr>
<tr>
<td>d. Telescope</td>
<td></td>
</tr>
<tr>
<td>e. Windshield</td>
<td></td>
</tr>
<tr>
<td>f. Windshield glass</td>
<td></td>
</tr>
</tbody>
</table>

### 16. Tell in a few words the following things about the object.

- a. Sound: **Music** (like bagpipes; heard on other occasions)
- b. Color: **Bright yellow-white; sat against the sky; orange**

### 17. Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, steam, smoke, etc., and especially exhaust trails or vapor trails. Place an arrow beside the drawing to show the direction the object was moving.

### 18. The edges of the object were:

<table>
<thead>
<tr>
<th>(Circle One)</th>
<th>a. Fuzzy or blurred</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>b. Sharp and well defined</td>
</tr>
<tr>
<td></td>
<td>c. Other surrounding the object</td>
</tr>
</tbody>
</table>

### 19. If there was MORE THAN ONE object, then how many were there? **Four**.

Draw a picture of how they were arranged, and put an arrow to show the direction that they were moving.

Both moved at a steady rate, under 1, one after the other, then the second object appeared once the first had disappeared.

Then the second object disappeared, then the first reappeared, then the second object reappeared, then the first reappeared again, then the second reappeared. The first object reappeared again, then the second reappeared, then the first object reappeared again.
20. Draw a picture like the one on page 58 that shows the path that the object or objects took. Place an 'X' at the beginning of the path, an 'O' at the end of the path, and show any changes in direction during the course.

[Diagram]

21. How did the object or objects disappear from view? (Circle One)
   a. It was out of the line of sight.
   b. It went behind a tree or building.
   c. It changed direction.
   d. It changed color.
   e. It changed shape.
   f. Other:

22. If possible, try to guess or estimate what the size or length of the object was in its longest dimension. (Write number. Do not guess or estimate weight or preference.)

23. How far did the object or objects appear to be compared with one of the following objects held in the hand and at about arm's length? (Circle One)
   a. A lead of a pin
   b. A silver dollar
   c. A dime
   d. A nickel
   e. A quarter
   f. A half dollar
   g. A dollar
   h. A baseball
   i. A golf ball
   j. A softball
   k. Basketball
   l. Other:

24. (Circle One of the following to indicate how certain you are of your answer to Question 22)
   a. Certain.
   b. Fairly certain.
   c. Not very sure.
   d. Uncertain.

25. Where were you located when you saw the object? (Circle One)
   a. In the business section of a city?
   b. In the residential section of a city?
   c. In an open country?
   d. Flying over an aerial?
   e. Flying over a city?
   f. Flying over open country?
   g. Other:

26. If you were moving in an automobile or other vehicle at the time, then complete the following questions:

26.1 What direction were you moving? (Circle One)
   a. North
   b. East
   c. South
   d. West
   e. Northeast
   f. Southeast
   g. Southwest
   h. Northwest

26.2 How fast were you moving? _______ miles per hour.

26.3 Did you stop at any time while you were looking at the object? (Circle One) Yes No

27. What were you doing at the time you saw the object, and how did you happen to notice it? Observing the sky.

28. It is part of any routine you follow prior to observing at various times and in various places that you have noted the "Odd Object" phenomenon during the night.

29. What were you doing at the time you saw the object? (Circle One)
   a. In the business section of a city?
   b. In the residential section of a city?
   c. In an open country?
   d. Flying over an aerial?
   e. Flying over a city?
   f. Flying over open country?
   g. Other:

30. What direction were you looking when you first saw the object? (Circle One)
   a. East
   b. South
   c. West
   d. North
   e. Southeast
   f. Southwest
   g. Northwest

31.1 If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was above the horizon (elevation).

31.2 If you are not familiar with bearing terms, try to estimate the number of degrees the object was from true North and also the number of degrees it was above the horizon (elevation).

   a. From true North: ______ degrees.
   b. From horizon: ______ degrees.
30. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you first saw it. Place an "B" on the same curved line to show how high the object was above the horizon (skyline) when you last saw it.

---

31. In the following larger sketch place an "A" at the position the object was when you first saw it, and a "B" at the position where you last saw it. Refer to smaller sketch as an example of how to complete larger sketch.

---

32. On the attached sheet, by the time reports from observers, give any observations you have.

---
34. Do you think you can estimate the speed of the object? (Circle One) Yes or No.
If you answered YES, then what speed would you estimate? (in mph)

40. Do you think you can estimate how far away from you the object was? (Circle One) Yes or No.
If you answered YES, then how far away would you say it was? (in ft)

41. Please give the following information about yourself:

<table>
<thead>
<tr>
<th>NAME</th>
<th>REICH MO. WILHELM</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAST NAME</td>
<td>Reich</td>
</tr>
<tr>
<td>FIRST NAME</td>
<td>Molo</td>
</tr>
<tr>
<td>MIDDLE NAME</td>
<td>P.</td>
</tr>
</tbody>
</table>

ADDRESS:

| BRYAN | BEVERLY HILL | TOWN | Home |

TELEPHONE NUMBER: 99

What is your present job: Basic Research, Materials Science, Engineer

Age: 57, Sex: Male

Please indicate any special educational training that you have had:

- Grade school
- Technical school
- College

College Degree: Master of Science in Physics

42. Have you completed this questionnaire?

Yes | No | Blank

---

U.S. AIR FORCE TECHNICAL INFORMATION SHEET
(SUMMARY DATA)

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the object that you observed. You may report information that you have already given in this questionnaire, and add any further comments, statements, or sketches that you believe are important. Try to preserve the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.

NAME: WILHELM REICH, M.D.

SIGNATURE: [Signature]

DATE: March 16, 1954

[Attached Survey, further information available upon request]

"Ex" is my code word for "eminent object"

Please confirm receipt of survey

and photographic copy (in form) enclosed

in writing

This communication will be published at some future date, if no objection will be raised by responsible A.F. officer.

Enclosure:

1) Sketch
2) Map
3) Photograph copy (in form)
On March 17th, 1954, two days before the order of Injunction was issued in Portland, Maine, a letter was written to the nearest Air Force base:

March 19th, 1954

Dear Sirs,

On March 12th, 1954, we received a questionnaire regarding unidentified objects in the Bangsley Region. The accompanying letter was signed by Lieut. Steven J. Hobart, but the letter was not written on official stationery.

Since the answer to the questionnaire involves major responsibilities, we would appreciate it if the request would be repeated on official Air Force stationery. May we also ask you to send us another set of the questionnaire, since we wish to keep the completed copy for our files.

Sincerely yours,

[Signature]

Secretary

The same day I forwarded to the AAF a “Survey on Ea” Archive No. AA.11277. The equations contained in this report had been worked out a decade before around 1944. The equations had freed the problem of gravitation from $g$, the symbol of mass attraction. The gravitational function had been reduced to wave length, $\lambda$, and frequency of oscillation, $s$, or its reciprocal value, the period per oscillation, $T$.

Also, a massfree equation for swinging energy had resulted from ergonomic calculations.

These equations were now transmitted to the Air Force Intelligence of the U.S.A. in full cognizance of their impact upon the future of the planet. To “sell” them would have appeared like asking a top surgeon’s fee of a man fatally injured in an automobile accident.

Survey on Ea

Here follows the “Survey on Ea,” verbatim, quoted from the original manuscript:
It is impossible to tell in a few pages the whole story of research in the realm of cosmic functioning. Instead, I shall tell how I became interested in the "Visitor from Outer Space" problem.

Ten to fourteen years ago, 1930 to 1944, soon after I had discovered the cosmic energy in the atmosphere, the cosmic implications gradually became evident. Typical pendulum experiments (1934) led — with the true spontaneous logic of objective functions — toward cosmometric equations concerning numerical relations in the cosmic energy functions. The result was a pendulum formula \( 10^{-2} \neq 100 \) and a mass free energy formula \( E_0 = \mu M + \alpha.\epsilon.\alpha + L_{10} \).

A manuscript in German was written in an attempt to work out details. The formulas and the manuscript together with some charts were put away into the archives. The reason was this: I did not believe mathematical formulas to be worth publishing unless they were confirmed by physical observations and experiments. I had acquired this attitude when I discovered the physical phenomena of atmospheric and cosmic energy which fills the universe; then I compared my factual observations with the purely abstract, mathematical formulations which had emptied space, declared the "outer" to be non-existent and — as a conclusion to a narrow factual basis — not only had blocked further factual physical research, but also stood in the way of the true comprehension of the cosmic primordial energy.

The crucial importance of the subject for the understanding of "Visitors from Outer Space" has increased greatly in language.

Thus, I waited many years for further factual developments. These developments began to show up then, after a pause of three years (1940-1947), I started my work on a novel as described in the Orson experiment ("Moon") The OH energy motor, too, was then in the process of being worked out. It was published in the first number of the ORH in 1949.

I knew of the existence of a "sowers" problem around 1950. But I never had paid much attention to it. The idea of visitors from outer space did not at all seem strange to me. Why should only the Earth be inhabited by intelligent beings? There was no reason whatever to assume such a thing, except because of some vanity as a home divinity or insanity; eclipses on the part of man was too well known from the phantastic cruelties of an age, only 4,500 years ago, which thought the world to be flat and also to be the center of the whole universe, with man as its focal point of divine attention.

The fact of space ships comes; down to Earth was therefore nothing "new". I had heard about it on the radio at times. But it was never in the center of my attention. Thus, inside of the fact that friends had told me of sowers having been seen over Orsonia in 1951. Even, when in August of 1952, standing on the front porch of my summer house at Orsoma, I heard something buzz by from horizon to horizon, N to NE, within a few seconds, I paid little attention to it.

My interest in the sowers problem was seriously weakened in the following manner.

We had suffered greatly from a black substance which had poured down over Orsoma since April 1958, the so-called "Melanor". It was obvious from all appearances that this Melanor (see "The Blackening Rocks", ORH, 1958) came from somewhere in the Universe. But only in November 1933, when I first read the Keyho Report, did things begin to fall into place.

Mysterious regarding the Flying Saucers, such as megaliths, Malachite Shining Rocks, rotating discs underlying their motion, fell into place.
with some of the facts I knew well from cosmic & energy functioning functions such as silent operation which I had experienced when the & motor had been worked on in 1940-1948. Or blue luminosity in 0.5 micron pressure vacuum tubes. The old organometric functions which I knew, one by one, especially those which had dealt with the gravitational effects.

The facts confirmed these assumptions seemed to be at hand now, in a strangely expected manner. Things tied in further. Function after function coordinated itself with what I had read about the "unidentified objects".

The final picture of today is about this:
1. The "COSMIC WAR" (COSMIC ORGONE INHIBITORY), as I came to call them, apparently were thoroughly consistent with the laws of functioning in the cosmic & energy works, especially (as a function of superimposition).
2. They use cosmic & energy in propelling their machines.
3. Their "blue lights" were in agreement with the blue color characteristics of all visible & functions, sky, protoplasm, aura, aura, depth of moon valleys as seen at dusk, the color of & energy lumination in vacuum tubes, etc.
4. The changes of color from blue to white or red, etc., I knew well from various studies of & phenomena and had seen some positively in vacuum tubes (see Orion Exposition, page 299?).
5. The COSMIC WAVE were obviously riding their space ships on the main & energy streams of the Universe (see COSMIC SUPERIMPOSITION on "Galactic and Equatorial Streams").
6. The tremendous speeds which they were able to achieve were not in disagreement at all with the tremendous quantities I had calculated for the & energy streams of the Universe in 1940 to 1948. (There are still many gaps there, and may measurements. The tables of the &-under system are in my possession. See also attached copy).
7. A speed of 9 or 10 thousand miles per hour did not appear impossible in the light of these numbers; on the contrary: It appeared quite natural.
8. They related their story to me with the story they once heard on a talk show where exactly what I had calculated 10 years previously on the so-called UFO ("V formations") by SEEKING WAYS, without any knowledge of space ships actually riding cosmic & waves. From these waves, I had derived my mass from energy system.

Things were fitting, well, even too neatly for my taste. Therefore, I hesitated to tell anything to anyone about them, I only related what might have happened to the facts and phenomena which I had explored in 1947 to 1948. I had worked on the & energy wave, and I disappeared in 1949 under mysterious circumstances. He was under suspicion of having been a Russian spy. He was then urgently transmitted to the FBI in 1949, and again in 1950. He engaged again in 1953 to sustain his possible role in the case.

9. Just as man is not static, light not "seen down to us from the stars and the sun". It is an effect of lumination in the & energy envelope of the planets. It is a local phenomenon. Therefore, there is theoretically no link to speed in cosmic space, only technically. This agrees with the apparently limitless quantities in energy functions which characterize the organometric &-system as progressing to geometric proportions (in & system).

The accompanying scenario of basic equations was sent to the United States Congress in 1949. Since it concerned existence for new forms of life, I have not been committed. The scenario was submitted to 1949, may have been somewhat compromised with science, but the key was up to the T&C, see letter of Tidman, January 15, 1949.
exactly how it was meant in attempts to destroy Ozymandius ever since 1937. I have no way of knowing what happened to this information.

The office of the President of the U.S. has been kept informed on all major developments ever since 1951, when the Ozymandius went under way.

March 1954

WILLIAM REICH, M.D.
Cornell University
Poughkeepsie, N.Y.

(The handwritten portion above reads as follows: "Note, April 1956: Lately, serious considerations forced the idea upon me that W.W., the man who suddenly disappeared in 1940, may have been somehow connected with actual spaceships. He was intercepted by the AEC. See protocol of telephone conversation, No. 108, 'Conspiracy,' 8/16/1949.")
(4) \( \frac{k^2}{r^2} \cdot \text{Number System:} \)
\[ k^2 \times 10^{8x} \]

(5) \( \text{Derivation:} \)

a) \( 6k^2 \times 10^y \times 1 \times 10 \)

b) \( 10^{-6} \times 10^{3} = 10 \)
\[ 10^3 \frac{k^2}{r^2} \]

(6) \( \text{One Special Application:} \)
\[ 2k^2 \times 10^8 \times 10^8 \times 10^8 \]
\[ 2k^2 \times 10^8 \times 10^8 \]
\[ 2k^2 \times 10^8 \]

(75) "Two Geometric Propositions"

(1) \( \text{General:} \)
\[ N \rightarrow \frac{1}{2} \text{Area} \]

(2) \( \text{Numerator} + \frac{1}{2} \text{L + Number} \)
\[ \text{Number} \rightarrow \text{Area} + \frac{1}{2} \text{Area} \]

\[ \text{Number} \rightarrow \text{Area} \]

\( \text{Received Jan. 11, 1945} \)
\( \text{Received Jan. 12, 1945} \)

\( \text{Received Jan. 12, 1945} \)

\( \text{Received Jan. 12, 1945} \)
Specification of N

\[ N = \sqrt{\frac{4 \times 10^8}{1.234}} \]

\[ S = 200625; t = 25610 \times 10^2 \]

\[ A = 92160 \]

\[ B = 93500 \]

\[ d = 65536 \]

\[ d = 6574365 \] (5 Planets' Numbers)

\[ H = 1314873 \]

\[ 5259296 \] (Galactic Number: Earth

\[ 62560741 \] (Sun

\[ 250 \] (Mercury)

These Numbers are part of the formulation of chemical & organic relationships calculated, since hydrogen and ammonium in space of the Sun are same elements, the elements including also, the Sun and its planets.

Deduced from these, while the numerical values remain, the chemical functions are changed.

8/13/1942

Wilhelm Roentgen

New York, NY
Jan. 11, 1942

The foregoing mathematical calculations were shown by me in the office of Dr. Roentgen, 10th floor, 1000 Madison Avenue, New York, NY.

Jules E. Béchu

8/13/1942
(The handwritten portion above reads as follows:

"These numbers are part of the transmutation of classical to orgonometric astrophysical calculations. Since rotation and movement in space of the sun are simultaneous, the Copernican 'circles' and the Keplerian 'Ellipses' become invalid, while the numerical values remain. The classical functions are transformed orgonometrically into periodic functions such as of pendulums, which swing and move in space simultaneously: 'Cosmic Pendulum.' The classical numbers corroborate this unavoidable transmutation numerically. The functional equations serve this purpose. They are not fully calculated yet, but the basic work has been done beginning 1939-1940, when the atmospheric Orgone Energy was discovered."

First Direct Contact with the Air Force Technical Intelligence Center (ATIC) in Dayton, Ohio

One of our operators, William Moise, had the order to go through Dayton, Ohio, to make contact there with the chief officer of the Air Force Technical Intelligence Center (ATIC) and report our operations of October 10, 1954, which resulted in the fading out of "Elara" in the sky. He was also advised to give all the information necessary to the understanding of the event.

He phoned on October 11, 5:00 p.m., for an appointment on Thursday, October 14th, late afternoon. He reported to me on October 14, 8:59 p.m., from Dayton, Ohio, that General Watson was not available and had cancelled the appointment. I gave him the directive on October 15, 8:00 a.m. by phone to Dayton to use his own judgment in handling the garbled affair. He told me that a Major Hill had left a message for him in his hotel. Later the same day, Moise reported by wire that a "good discussion" had taken place with the Deputy Commander of ATIC on the Ela event, on Elar, on the problem of transportation of Elar to Arizona. The latter problem was delegated to Washington. On October 15, he phoned through the basic points of the meeting. The chief officer had excused himself, though he had granted the appointment previously. He was represented by the Deputy Commander, Colonel Wertenbaker, of the U.S. Air Force. The Air Force from then onward was coded in our records as Eaa to match the Elar designating the unknown flying objects (UFO).

The report on that meeting follows:

Report to WR

of conference at Air Force Technical Intelligence Center (ATIC), Wright-Patterson Air Force Base (AFB), Dayton, Ohio, concerning Elar, Oranur Radius (ORUR), and Equations.

10/11/54... Communication of the Orgone Institute with ATIC.

16:30 (about) Rangeley, Maine, time:

Long distance telephone conversation between reporting operator and General Watson, Commander, ATIC, Wright-Patterson AFB, Dayton, Ohio.

Wilhelm Reich, M.D., Director of the Orgone Institute, wishes to report to you personally, the following occurrence: Two UFO's, which the Orgone Institute refers to as Elar, were disabled last night, October 10, 1954, by Wilhelm Reich.

This is such a crucial and decisive matter that it must be reported wholly and in detail to you personally. Wilhelm Reich requests an appointment with you to report this orally and in detail. We are traveling to the southwest on an experimental expedition into the desert there and, as a representative of Wilhelm Reich, request an appointment with you for this coming Friday, October 13th.
General Watson replied that he could not arrange to see me upon Friday since a group from CIA in Washington was coming Friday. However, he could arrange to see me on Thursday. When I replied that this would be satisfactory, but that since I would be driving I may not arrive until late in the afternoon, General Watson answered that this made no difference, that if necessary we could continue the conference after supper, until late in the evening.

General Watson asked me only one question, and that was how did Wilhelm Reich know that the UFO's were disabled? I did not answer this satisfactorily. I failed to tell him that they went out. I said only that the manner of their behavior and movement clearly indicated they were disabled.

I further added that Wilhelm Reich also wished to discuss two other questions at the meeting; one concerning a problem of transportation of ORB, and one concerning the depositing of scientific material with the Air Force.

The arrangements were that I would have an appointment with General Watson for Thursday afternoon, October 14th. I would telegraph on Wednesday to General Watson's office, giving my time of arrival in Dayton. Upon arriving in Dayton, I would telephone his office to find out the time of the appointment.

10/13/54 — Telegram sent to General Watson, ATIC, Wright-Patterson AFB, Dayton, Ohio, by William Moise from Chambersburg, Pa.:

"Arriving Dayton tomorrow Oct. 14th. Request appointment for 4 pm. Will contact your office on arrival for confirmation."

Orgone Institute, by William Moise

10/14/54 — Telephone call from Dayton to General Watson's office by William Moise for Orgone Institute, 14:30 hrs.:

4 pm. appointment with General Watson confirmed.
I told them that the crucial nature and importance of the report necessitated that it be presented only in the presence of the highest authority. I left my phone number, said that if necessary I could stay on 2 more days to meet with the General and left.

10/15/54:

Captain Hill telephoned me and informed me that he had spoken with General Watson. General Watson once again apologized, said he would be unable to see me, but asked if the Orgone Institute would present the report to Colonel Wertenbaker, Deputy Commander. I said yes and an appointment was made for 09:30.

I was met at Headquarters by Colonel Wertenbaker. I had immediate contact with him. The contact continued and increased throughout the conference. The Colonel told me that General Watson had arrived and taken over command only two weeks ago and that until that time he, Colonel Wertenbaker, had been acting commander.

Present at the conference were Colonel Wertenbaker, Dr. Byers, Capt. Hill and Mr. Haberer.

I first asked Colonel Wertenbaker if anything had come up since the telephone conversation with General Watson? I was puzzled since in the conversation, General Watson said that he would meet with me even if it meant doing so after supper late in the evening. The Colonel replied that nothing had come up. Since the Colonel's time was short I requested the other gentlemen to save their questions until after the report, but asked the Colonel to interrupt whenever he had a question. All the gentlemen but the Colonel took notes.

My report is as follows:

The region of the northeastern U. S. A. and Orgonon has been much bothered the last few weeks by Eas (UFO's). Some nights there would be 3 or 4 hanging in the sky. They would make the atmosphere black. Dr. Reich, working with the Cloudbuster, would mobilize the atmospheric energy and make it blue again. This struggle had been going on for several weeks. At this point, the Colonel interrupted me and asked me to describe the blackness. I replied that a blackness would come into the atmosphere, an absence of life, of sparkle, everything looked and felt flat and dead. I added that we could feel the energy being drawn out of us. The landscape looked colorless.

I continued: A few weeks ago Dr. Reich dug up the radium which had been used in the Oranur experiment and which had been buried since that time, a period of about three years. Dr. Reich wished to test this radium, and since has been using it in experiments with the atmosphere, with rain-making, cloud dissipation, successfully.

While doing this, the idea came to Dr. Reich to use it in connection with the Cloudbuster and train it on a UFO. He hesitated in doing this since there was a possibility of them being American craft, but the situation became so bad, the blackness, that he finally decided to.

The following I read from Dr. Reich's protocol of 10/10/54:

07:00 — A big red Ea on western horizon, very low. Trained Cloudbuster excited with Oranur radium on object for 1 minute. Whereupon the object first sank down, lost its field, faded out and returned as in distress. It changed position, higher and to the south.
Then later it disappeared altogether.

19:30 — One yellow Ea, a big one, 30 degrees elevation in the northwest. Oranur trained on this object for 2 minutes, 27 seconds.

19:53 — Object went out for 30 seconds, after pulsating, shrank. Remained out for 2 minutes.

19:55 — Object came back once more at 19:55, appeared far away, fainter and smaller.

20:08 — All of them, one to the north, one to the south, and one to the west, as if by "common command" seemed to remove themselves, fainter and smaller.

20:11 — A bluish-white flare streaked across sky, zenith to the northwest, lasted for 2 seconds.

21:35 — Ea to north and south still there, having climbed into sky, against star movement. But those in the west and northwest no longer visible.

22:10 — Dr. Reich phoned through the happenings to a secretary in the town of Rangeley.

At the point in this report where the path of the object over Bald Mountain was shown, the Colonel’s excitement became high; he asked to see the sketch and studied it for a few moments.

I then reported the May 12th drawing. That on May 12, 1954, between 19:40 to 20:40 after training of Cloudbuster in a certain way towards an Ea in the western sky, the object faded out 4 times.

I continued, speaking directly to the Colonel, and said the Orgone Institute is engaged in a serious "Battle of the Universe"; that these are critical and crucial matters. The Orgone Institute does not like to be put off, that the issues can no longer be evaded by responsible authorities, that the Orgone Institute cannot take the sole responsibility; it must be shared. I said, that as they well knew, this discovery and the Orgone Institute are under attack by little horse thieves, commercial hoodlums, psychopaths, all who want to kill the discovery. Dr. Reich’s skill and experience on the social scene, alone, has prevented this from happening. But in the event that something should happen to Dr. Reich, he has certain scientific material which he wants the Air Force to secure. This material consists of certain space equations. I showed the Colonel the equations which I had brought with me and continued: Dr. Reich feels that although it is doubtful if much can be done with these equations without him, nevertheless he feels the U. S. Air Force is the only agency in the world today capable of the responsibility of possessing these equations. I asked if such a copy as I had with me could be deposited, sealed, with the Air Force to take care of such a situation. Colonel Wertenbaker answered immediately that this could be done and that the Air Force would respect the confidence entrusted to it. He was extremely serious at this point.

I then brought up the problem of the transportation of the Oranur radium (ORUR). I explained that Wilhelm
Reich was on the way to the southwest for experimental research in the desert region there, that this was a continuation, a very important part of this Battle of the Universe. The Oranur radium (ORUR) is an extremely vital tool needed in this battle and needed in the southwest. The problem, which to date we have been unable to solve, is how to transport this radium. The usual commercial means of transportation cannot be used since there is no protection against this Oranur radium; on the contrary, it is safest when naked and reacts when shielded or near metal. The only way that it can be transported is to be towed 50 or 100 feet behind a plane. And the only organization equipped to do the transporting is the U.S. Air Force. So the Orgone Institute requests assistance from the Air Force in transporting this material to the southwestern United States. Colonel Wertenbaker said that he did not have the authority to make such a decision. The decision would have to be made in Washington and that he would forward the request to Washington. He asked how soon we wished it transported. I said as soon as possible but I requested that the Orgone Institute get a decision immediately whether or not the Air Force could assist and that the answer should be sent to Dr. Reich at Rangeley before the coming Tuesday since Dr. Reich was planning to start to the southwest on that day. I said that the details of how and when could be worked out later. In discussing the reaction of the Oranur radium when shielded I reported the fact that an SU 5 survey meter gave counts of 80,000 and 100,000 CPM.

Colonel had to leave at this point. He thanked the Orgone Institute on behalf of the Air Force. The contact with Colonel Wertenbaker was excellent throughout the conference. He was serious, intent and looked at me while I talked. He was the only one who did. His excitement increased as the report progressed. I felt he was suppressing his excitement and it is my impression that he did not wish to reveal this excitement in the presence of the Doctor of Physics.

After the Colonel left, I stayed on with the other gentlemen to answer any questions. There were few questions. Capt. Hill asked me to explain further the Oranur experiment. I simply told him that ATIC had a copy of it and that reading it would be better. Dr. Byers asked me if these objects were sighted at places other than the Rangeley region. I told him that they were seen at Hancock, Maine, but that we had no way of knowing about the rest of the country.

The conference was then adjourned at about 10:20.

I received a telephone call at about 12:15 in my hotel. A woman's voice said that she was calling from Wright Field (this is a different field than Wright-Patterson) and asked if I knew how they could reach Donald Keyhoe, that there was a telegram from California for him; they knew he was in this area but did not know where. The name did not click with me and I asked her to repeat it and then spell it. At that point, she said, "the former Major Keyhoe who wrote the book on UFOs. We knew you were interested in UFOs, too, and thought you might know where he is • • •."

I told her I didn't know, didn't meet him, there was no connection with him. • • • sorry I couldn't help her.

/s/ William Moise
Operator, OROP Desert En
Arizona, 1954/1955
Technical Research Coordination

Our request to the AAF for help in the transportation of Orur was later denied from Washington, AAF Headquarters. I did not understand why. However, we managed ourselves to get Orur without mishap 3,000 miles across the continent.

I did not know at that time, to quote from the Ruppelt report on UFOs (page 285) that my work was already in 1952, considered "hot because it wasn't official and the reason it wasn't official was because it was so hot." How much hotter it had become with the Ea event on October 10, 1954...

We received no direct help from the Air Force, financial or otherwise, all through our period of Ea research, trials, suffering and error.

The factual background of this meeting at ATIC on October 15, 1954, is long and complicated:

It comprised many common interests in atmospheric and cosmic research. On July 6th, 1953, the first major successful drought-breaking, rainmaking operation took place at Ellsworth, Maine (CORE, 1954). We knew at that time that our operation had been carefully followed by the AAF. A plane flew close by during the operation. It rained neatly in Orur fashion on the following night all through from the coast to Rangeley, after a dry spell of about 8 weeks. Two days later on July 8th in the morning, AAF planes appeared over Oruron trailing what appeared to be research equipment behind them; it was most likely monitoring the background count of the atmosphere. From then onward the planes were around wherever Oruran research was being done, at Oruron since July, 1953, on the way to Tucson in October, 1954, in the research region around Tucson base all through the winter, 1954/1955, then again over Oruron during the summer in 1955 and also at Washington during the winter, 1955/1956. This interest of the AAF in our work had its further good reasons.

A second link was given in parallel atmospheric research concerning the behavior of vapor trails emerging from jet engines in a DOR atmosphere. Already in 1952, we had seen AAF planes, jets mostly, cross the sky over Oruron in various directions, always leaving widely visible jet vapor trails behind.

As time passed by, with careful observations of the sky, we began to understand the significance of the behavior of the jet vapor trails. We had never made personal contact with the AAF regarding this matter. But the implications were obvious.

In the first Oruran Report, 1951, I had advanced a hypothesis on the behavior of the atmospheric energy. Years of observation of various states of fog in the mountain areas of Rangeley had shown a close dependence of fog and cloud formation on various states of OR energy: Clouds would not hold over Oruron when DOR clouds were forming in the region. The clouds would dissipate, split up and drift around Oruron; they would gather again on the other side after having passed by the Observatory. As reported in 1954 in connection with drought, no thunderstorms passed over Oruron in 1952 and 1953 when the DOR effects were strongest. This meant: DOR absorbed the moisture from the clouds; the clouds, after having become fuzzy and thin, dissipated and fell apart. On the other hand, where there was no DOR in strong concentration, the sky was bright and blue, clouds formed and held easily. They grew by merger or apposition of newly formed clouds.

Now, the same behavior could be seen with regard to the jet vapor trails. The vapor emanating from the jets would hold together for a long time and over miles of sky...
when the sky was bright and blue, when DOR was absent. On the other hand, the vapor trails would be thin or would not be visible at all; they would not last long, would disperse quickly when DOR was heavy. In very heavy DOR regions the vapor trails would not form at all; they would reappear exactly where blue bright sky would surround heavy DOR clouds.

In this manner a most important, almost exact tool of observation of DOR in the atmosphere had been found by the Air Force. From then onward one was able at will, at any altitude, in any region of the globe, at any time of the day to determine whether DOR was present in the sky or not; one could even judge the intensity of DOR clouds by the degree in which the vapor trails would fail to form or hold, by their thinness, length, etc. The Air Force, so I had observed, had furthermore developed various patterns of jet vapor trails on one and the same level or on different levels of the atmosphere, according to the special research task.

For example, one wanted to know whether DOR was heavier and more concentrated at higher rather than at lower altitude, say more at 30,000 than at 20,000 feet. All one had to do was to send up two jets, one to 30,000, the other to 20,000 feet, to let them fly vertically parallel to each other, and the nature of the trails would tell by direct observation where the DOR concentrations were heavier. This was at least the way I interpreted for my own use with great success the various forms and patterns of the jet trails; it was very helpful in further basic research or in the clarification of pressing Ea problems. Whether the Air Force had actually such problems in mind, I cannot tell.

The DOR clouds, on the other hand, were direct indications of the presence of Ea in the sky, seen or unseen. DOR clouds and high GM counts have become the two most reliable research tools in the Ea realm.

I have never spoken to any Air Force scientist about these matters. According to my Log Book protocols, there could be little doubt about the identity of the observations. The Air Force may have developed a different theory; it may have had a different purpose in mind in letting the jets trail their vapors: Whatever the case may have been, these Ea operations were crucial and became more important as the years passed by for my own Ea research. I assume the AAF was not adhering to this technique over the years without good reason either.

During the Tucson operations, when heavy DOR prevailed, the Air Force would at times let two jets draw a cross of vapor trails into the sky. At the point of crossing, so we learned by way of spacegun operations, an Ea may have been hidden far up, pouring its DOR fumes into our atmosphere. We would then draw from that spot and vigorize the atmosphere toward that region of the sky; the atmospheric situation improved within a few minutes for human, animal and vegetation alike. These were great moments in an otherwise rather hectic, harassed existence.

To put forth another example: When the DOR removal operations in the Tucson region were finally successful, prairie grass began growing again; a line of green demarcation, as if were, would spread from our base outward, especially toward the northeast and northwest, beyond which DOR was still hanging heavy, black-gray, low above the landscape, while bluer skies were on the inside of the demarcation line. AAF jets then would follow my car or the truck with the cloudbuster and would test the region for DOR, writing their telling trails into the sky. At the borderline, their trails would more or less suddenly thin out if they flew outward far enough toward the untouched DOR region. It was always a great joy as well as gratification to see those jet trails reach from horizon to horizon when good DOR removal work had been done.
The silent, impersonal cooperation of the Air Force had a good reason. On the Air Force rested the grave responsibility to meet the Ea sooner or later, as the case may turn out, in a friendly or in a war-like manner. Their jets were easily out-distanced by the Ea; the pilots could not keep contact with Ea at gunner’s range; they failed to understand how Ea operated. Mechanistic science had no answer. Here, the basically new, fruitful approach of ORANUR became evident. It provided a new viewpoint, rich in facts regarding a motor-force unknown hitherto on earth. It also provided a new mathematical, i.e., organometric approach in its functional equations (see OEB, 1949-1952, organometric equations).

The Air Force knew that a new kind of war was possibly impending. It also learned the hard way, going through many heartbreaking experiences, that present-day mechanistic science had no approach to the Ea problem. Opinions of top administrators, military and civil alike, were heard, to the effect that the interplanetary war may already have begun (a view the correctness of which I personally am convinced); the pressure increased. Thus, it was no wonder that OR research had gained serious attention in high military circles according to the ATIC report.

It did not matter then that no one had as yet stuck his neck out in signing a positive opinion about ORANUR. Hogs were in 1951 till 1953 quite busy to destroy Organography. They were equally busy not to let the UFO problem reach a rational solution. UFOs and OR energy “did not exist” for mechanistic science.

I had already in 1948 and again in January and March 1954 sent information about the organometric aspects of the Ea problem to the Academy of Sciences in Washington and to the Air Force Technical Intelligence in Dayton (see pp. 49-78). The reader will understand why, as long as there are Hogs in hiding, ready to steal and to destroy our freedom and existence, I must refrain from telling all I know about the subject; why I must keep some matters secret until the time will be ripe and the situation safe enough, to tell the full story. I do this with regret. It is not my fault. I hate secrecy. It goes against my true nature. But I cannot help adhering to it under the circumstances. The report on the organometric approach to the technology of Ea was sent to the ATIC in Dayton, Ohio, on March 17th through the Presque Isle Air Force base in Maine. It formed the actual basis of the discussion our operator had with the ATIC on October 15, 1954, regarding our first active contacts with the Ea.

The military interest in Ea was acute; however, it was secondary in importance to the natural scientific interest. The latter was basically mathematical, i.e. organometric. However, mechanistic science had, apart from basic principles of learning, little to offer regarding Ea mathematics. Old principles had to be newly applied, new forms of thought had to be constructed in order to come to grips with Ea, as new scaffolds have to be put up for a new type of building.

It is only logical that my first serious contact with the AAF should have been a mathematical one. Later on, various branches of knowledge had to be integrated to keep the contact alive in a fruitful manner: observation; psychological judgment on the scene of actual battle; social psychiatry in handling the well-organized, well-hidden, pernicious ways of the Emotional Plague; physics, biology, in addition to geology; farming and atmospheric medicine. Too much it truly was. But our forefathers had to accomplish a similar feat in integration of knowledge on their level at their time in order to survive lesser social crises.

I shall not bother the reader at this point with too much organometry. But some facts must be brought forth

* Hoodlums in Government.
at this point. It is necessary to show one single crucial difference between mechanistic and functional thinking: a point which will illuminate drastically why Ea turned out to be outside the realm of mechanistic physics as well as mathematics:

On September 4th, 1954, a secretary who rested during lunch on the porch of the lower house at Orgonon, exclaimed suddenly: “A flying saucer, look, look!” I turned my binoculars toward the sky. There were five jets flying in formation toward southeast; they were trailed two or three miles behind by a wobbling, skipping silvery disc which kept pace with the jet formation. Then, suddenly, the disc made a sharp turn and disappeared from sight. It was the first time that I had seen a silvery disc in daytime. It was the wobbling, however, which attracted my attention most. I called Presque Isle Air Force Base and told the officer on duty that their jets had just been trailed by what appeared to have been a spaceship.

I had had several direct and indirect contacts with that Air Force Base previously. A few months before, on March 17th, 1954, I had sent in a form filled out with an extraordinary observation I had made between 22:00 and 22:15 hrs. on January 28, 1954, in the presence of another person (see p. 55). Two luminating objects were seen from a northern window at the lower house at Orgonon moving slowly from west to east toward a northern mountain range, the “Spotted Mountain.” This observation was reported to the AAF—on January 29th. The reason for reporting this observation, while other, similar ones were not reported, was a new fact: On January 28th, the two objects were travelling in front of the mountain, i.e., the lights were seen coming slowly down from the sky to the left and passing to the right into a valley with the mountains as background behind them. Such lights had been observed before, but always only in the free sky above the observatory. The most striking feature of the observation was the steady, slow movement, with the mountain as background. The movement was akin to hovering with a slow forward and downward motion.

My report to the ATIC was sent registered (P. O. Rangeley, on March 19, 1954, No. 404). It carries No. 11277 in my Log Book “Table of Events.” I had no inkling of the fact that that very same day Judge Clifford in Portland, Maine, had signed and issued the order of injunction which was unlawfully obtained by the Feds of the atomic oil, food and drug business in the U. S. A.: “Orgone Energy does not exist.” The injunction arrived a few days later, on March 22. My report to ATIC contained, apart from the filled-out questionnaire on the UFO observation, a special paper with information on the organometric functions which, so I assumed, underlay the movements of the Ea, titled “Survey on Ea.” My Log Book tells me that on March 19th, 1954, the functional identity of Ea motion and $E_\gamma$, the cosmic primordial energy motion, was clear to me. An entry 11278 on March 20th registers a discovery on “negative gravity.”

I shall try to avoid at this point the complicated inner mathematical meaning of this. However, it is necessary to give a survey on the problem.

The “Swing,”

The “Swing” can be easily visualized as the line described in space by a point on the rim of a wheel rotating forward. In relation to the ground, this point on the rim, though rotating with even speed in itself, describes a movement of alternating acceleration and deceleration. In other words, its motion expands and contracts alternatingly. On the forward turn the point moves faster. On the backward turn it moves slower. The ratio of speed change depends, of course, on the basic speed of rotation.
faster the rotation, the shorter the contraction with respect to the forward motion.

A spinning top shows the same basic function of speed contraction and expansion. The top will move in a more or less curved line at high speed. The line of motion forward will be more even the greater the speed.

At a lower speed of rotation, the pin on which the top rotates will clearly describe a spinning wave, a KRW (Kreiselwelle) and swings with alternating acceleration and deceleration thus; the number of arrows indicate the acceleration and deceleration:

**ONE KRW-SWING**

Fig. 12

At the lowest possible speed of rotation the body of the top will wobble, while the Spin will describe short, tight loops somewhat like this:

Alternating expansion and contraction of forward motion may also be easily observed in the movement of swinging pendulums under the condition that the point of suspension moves onward in space, while the pendulum body swings:

Pendulum motion → contraction → expansion

Fig. 13. The forward-moving swinging pendulum
En seems to move in straight lines at high speed; it seems to wobble at lower speeds, like a stone skipping on waves. Whether it wobbles like a top when hovering has not been reported in the literature, as far as I know. But its movement is basically Swinging.

It may suffice at present to discuss briefly two different approaches to the swing: mathematically in terms of known mathematical thought, and functionally in terms of orgonomtery.

Mechanism freezes the motion in a coordinate system of reference; it analyzes the frozen motion with respect to the chosen framework, the x and y axes. Functionality, on the other hand, attempts to describe the motion as it is, in order to grasp its lawfulness without freezing it. It assumes that there is no special force to move the object. Motion, in terms of OR physics is a basic quality of the OR energy ocean itself. There is nothing that "makes" the cosmic energy ocean move. It moves "a priori," as it were. It makes matter move, just as water waves cause a ball to roll forward on the crests and troughs. The rolling balls always move slower than the wave itself, which "pushes" the ball onward. By the way, the ball rolling slowly forward in the direction of the waves which carry it on, also describes an integrated path of contracting and expanding speed; the ball neither swings straight up and down, nor does it move in a linear fashion forward. Linear movement forward (speed $c = 1 \cdot t^{-1} + 1 \cdot s$) is functionally integrated with up and down swings, $s$. The waves which carry the ball forward function according to the classical massfree wave equation $W = \lambda \cdot s$. The water itself does not move forward, except where it rolls. The waves do move on; that is, energy, not mass, moves on.

Matter does not appear in any of these classical equations. Only wave length ($\lambda$) and frequency ($s$) of oscillations or its reciprocal, the period of time, $t^{-1} = s$, if periodic time, $T = st = 1$, determine speed and wave form: $W = \lambda \cdot s$. Matter, $x$, is not contained in the equation.

Now, this is exactly the case in the formulation of the Swing, $\sim$. The orgonometric equation for the swing, $E_\sigma$, reads:

$$E_\sigma = \lambda \cdot s^2$$

The Energy of the Swing, $\sim$, shows the following characteristics:

1. The Wave function, $W$, is functionally identical with the Pulse function, $p$. It cannot be otherwise, as the illustration demonstrates:

![The Swing](image)
W ≠ p, or λ · s ≠ l · e. Therefore the total energy effect, since l ≠ λ, and t⁻¹ ≠ s per T = 1 is:

\[ E = p \cdot W - λ \cdot s \cdot λ \cdot s^2 + l^2 t^2 + l^2 s^2 + λ^2 t^2 \]

2. The Energy of the Swing shows a form

a. Typical of the harmonic law of Kepler,

\[ \text{D}^2 t^2 = \text{d}^2 t^2 \]

b. Akin to the Planck equation, \( E = h \cdot v \):

\[ E = ml^2 - 1 + ml^{-1} \cdot l^{-1} - p \cdot c - p \cdot W \]

(since c = lt⁻¹ ≠ W = λs)

The total functional coordination yields the following apparently lawful organometric form for \( E \) with respect to Kepler's macrocosmic and Planck's quantum law:

3. The Swing, with \( T = 16 \), the total periodic time being divided in 16 parts, and the angular velocity per \( T/16 \) measured yields an interesting graph.

It reminds one with its shape of the Electrocardiogram, the EKG, with its P, Q, R, S, and T points. Thus, once more, the Life Energy, that rules the heart function, demonstrates its origin in the Cosmic Energy Ocean:

Fig. 15. Basic Form: "Electrocardiogram" is result of change in angular velocity of the Swing.

\[ t = 0 \]

The following manuscript (1945) on the Organomic Pendulum Law was transmitted to the CIA in April, 1956, shortly before the trial in Portland, May 5-7, 1956, following my unlawful arrest in Washington on May 1, 1956 (see "Battle for Truthful Procedure," in Reply Brief for WR vs. U. S. A.). This pendulum law opens the way to gravitational equations without \( g \).
The orrheule pendulum law posits, from the following work hypothesis: that the atomic weights for hydrogen, helium and oxygen (1, 4, and 16) are functionally replaced by numerically identical pendulum lengths of 1, 4, and 16 centimetres. A detailed grounding of this work hypothesis will be presented in another connection.

Atomic weights express gravitational mass, thus, at any given time definite attractive forces of the function of gravitation.

On the other hand, oscillating pendulums are configurations of oscillatory energy, which are independent of mass m and whose frequency depends exclusively upon the length of the pendulum.

On the other hand, oscillating pendulums are configurations of oscillatory energy, which are independent of mass m and whose frequency depends exclusively upon the length of the pendulum.

The preliminary communication must be correct with the indication of a broad and complicated relationships.

Let us name the number 4... k<sub>r</sub>. The geometric progression of the number 4... k<sub>r</sub> is accordingly: 4<sup>r</sup>, 16<sup>r</sup>, 64<sup>r</sup>, ... x is the series 1, 2, 4, 8, 16, ... . 4<sup>r</sup> denotes the k<sup>r</sup>-number system, i.e. the geometric progression of the number 4.

Empirical measurements are available for the oscillations of pendulums with the lengths 4, 16, 64, 256, and 1024 cm. The number or oscillations for the rest of the k<sup>r</sup> - pendulums can easily be determined.

As a control for this pendulum experiment we use the arithmetic series of the number 4, thus (4 x k<sub>r</sub>) in which k<sub>r</sub> equals 1, 2, 4, 8, ... etc.

The arithmetic series of the number 4 we name the k<sub>r</sub>-number system.

The carry-over of the measurements on Long Island, New York at sea level and around 45° latitude give the following values for the k<sup>r</sup>– pendulums:

<table>
<thead>
<tr>
<th>k&lt;sup&gt;r&lt;/sup&gt;</th>
<th>Length (cm)</th>
<th>Oscillations per minute</th>
<th>Speed of oscillations</th>
<th>l&lt;sub&gt;kr&lt;/sub&gt; x S&lt;sub&gt;kr&lt;/sub&gt; = k&lt;sub&gt;r&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>4</td>
<td>300</td>
<td>10800</td>
<td>10800</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;</td>
<td>16</td>
<td>60</td>
<td>10240</td>
<td>10240</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>4</td>
<td>150</td>
<td>20480</td>
<td>20480</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>16</td>
<td>60</td>
<td>20480</td>
<td>20480</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>64</td>
<td>40</td>
<td>10240</td>
<td>10240</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>256</td>
<td>30</td>
<td>10240</td>
<td>10240</td>
</tr>
<tr>
<td>k&lt;sub&gt;r&lt;/sub&gt;/4</td>
<td>1024</td>
<td>10</td>
<td>10240</td>
<td>10240</td>
</tr>
</tbody>
</table>

On the other hand, the values for the pendulum of the k<sub>r</sub>-system are the following:
The pendululm is a certain pendulum length of the \( k^{2} \) system. This pendulum strikes seconds with each movement 44 about 45° north latitude and at sea level.

The pendulum experiments in my laboratory in Forest Hills, New York had established the fact that the constant \( 1 \times 10^{9} \) is precisely valid only for the "lawful" \( \text{kg} \)-pendulum. \textbf{neeestablished.} With this established, I undertook the following experiments at Jones Beach on Oct. 26, 1944 between ten and eleven a.m. with 26% relative humidity and 70° F. temperature.

1. A 100 cm. long pendulum with a pendulum body of one
A pendulum, 64 mm long with a pendulum body of 4 grams weight, gave:

- a. in 60 seconds by measurement 1: 60 double = 90 single swings except 0/0 sec.
- b. in 60 seconds by measurement 2: 60 double = 120 single swings in 60 seconds.

The results are in agreement with the estimates of many text-books of physics which estimate the length of the second pendulum as about 0.5, 99.4 cm. This contradiction also exists in the relationship of the pendulum length, l, to the gravitational acceleration, g, for the following reasons. Let us place the numerical values for the classical and the energetic seconds pendulum opposite one another:

<table>
<thead>
<tr>
<th>Classical seconds pendulum</th>
<th>Ergo-seconds pendulum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length, l</td>
<td>99.4 cm</td>
</tr>
<tr>
<td>Time of oscillation, t,</td>
<td>2 secs</td>
</tr>
<tr>
<td>for double swings:</td>
<td>2 secs</td>
</tr>
<tr>
<td>for single swing:</td>
<td>1 secs</td>
</tr>
<tr>
<td>Frequency n per 60 sec</td>
<td>50 doubles = 60 singles</td>
</tr>
<tr>
<td>Measuring time</td>
<td>2 min = 120 secs</td>
</tr>
<tr>
<td>Gravitational acceleration</td>
<td>986.55 cm/sec² = 100 m/sec²</td>
</tr>
</tbody>
</table>

The relationship of the pendulum length l to the gravitational acceleration g remains the same:

\[ \frac{g}{l} = \frac{986.55 \text{ cm/sec}^2}{99.4 \text{ cm}} = 100 \text{ m/sec}^2 \]

in exactly the same expression of the lengthening of the minute time-measure \( \pi \) from 60 to 64 seconds. The measure of time 2\( \pi \sqrt{l/g} \) sec. is a strict \( \pi \) - system-number.

**FUNCTIONAL EQUATIONS**

The theoretic significance of the "functional" equation is that in the fact that free fall is expressed in terms of a circular function. This fact is significant in astrophysics and requires a detailed presentation which will be given in another paper.

From the pendulum equations

\[ \theta = \frac{2}{\sqrt{A}} \left(\sqrt{l} \frac{\pi}{2} \right)^2 \]

for the ergo-seconds-pendulum, and

\[ \theta = \frac{100}{1} \sqrt{l} \]
We obtain a second important functional relationship, if we functionally equate the linear function of height

\[
G = \frac{k_1}{r^2}
\]

with a second linear function of the moment of rotation \( \frac{1}{r^2} \). That we need to postulate such a functional identity will also be shown in another more detailed exposition.

We obtain a second functional relationship between the functional equation

\[
G = \frac{k_1}{r^2}
\]

In this case the gravitational acceleration \( g \) is represented by a circular function or rotation function \( \left( \frac{k_1}{r^2} \right) \).

- The functional equations presented above were obtained about four years ago in the course of the determination of the orhonometrical functions of the rotation of the earth's envelope. They express a close functional relationship of the gravitational acceleration to the cosmic orbit, especially to the rotation of the orbit of the planet earth. They have already demonstrated their astronomical usefulness in a wider compass.

The theoretical significance of these functional equations lies in the fact that they place us in the advantageous position of being able to investigate the function of gravitation and the gravitational acceleration independently of \( g \). The gravitational acceleration \( g \) is, strictly speaking, a local function which is visible and accessible to us only on the surface of the earth. Since the direct observation of natural phenomena was not the very start a rigorous demand of science and geomorphology, we can now enjoy the great advantage of substituting functional equivalents for the function \( g \) in which \( g \) no longer appears.

We are still faced with the task of studying whether and to what extent the functional equations

\[
(1) \quad \frac{1}{r^2} = 1000 \text{ cm/s}^2
\]

\[
(2) \quad \frac{1}{r^2} = \frac{k_1}{r^2}
\]
Accroding to several inquiries it has been ascertained that the handwriting on the preceding pages in the mathematical equations is Mr. Myron Sharaf's of Boston. Mr. Myron Sharaf of Boston (Brookline) had helped William Washington translating and in typing the manuscript on the pendulum experiment.

(The handwritten portion above reads as follows: "According to several inquiries it has been ascertained that the handwriting on the preceding pages in the mathematical equations is Mr. Myron Sharaf's of Boston (Brookline) who had helped William Washington translating and in typing the manuscript on the pendulum experiment."

I departed from the clear bio-energetic atmosphere at Orgonon with some misgivings, wondering what reactions to the energy atmosphere elsewhere to expect in the organisms of workers who had been exposed to the various phases of Oranur for years. Orgonon had become a kind of oasis. Only the day before departure, I had noted the unusual springlike quality of the atmosphere at the end of October: The buds were swelling on the birch branches, and strawberry blossoms were blooming at the steps of the Orgone Energy Observatory.

In the Cloudbuster, and other material, we carried tools to modify new environments, to clean out DOR and bring in fresh energy from the infinite Orgone ocean wherever we went. But one could not be 100 percent sure that functions, which applied on the East Coast, also apply to the Western Deserts.

I gathered valuable data driving through rather than flying over the continent, confirming many aspects of the theory of desert development which had resulted over the past three years from the work done in the laboratory concerning Oranur (pre-atomic) Chemistry, Melanor and Orite.

The observation of DOR in the atmosphere, and its effects on living things, vegetation and population, took up full attention for the entire distance of the trip. Within the general DOR layer covering the land there appeared zones worse or better, and a few isolated areas actually were DOR-free at the time of our passage, but generally DOR was found everywhere.
Over towns and cities it hung as a blackish, low smoky-looking pall. Where large cities were closely spaced, one could drive for hours without meeting zones of clear energy in between. Arriving from a relatively fresh region, I summarized this fact as the result of "Large cities + chemical offal + decaying nature + Ea + DORized health officials • • •••". It was a fact that was easily available by DOR-removal engineering operations applied to the "smog" problem of big cities (see report on OROP INFANT, this issue). Neglect by public servants of such basic means for tackling public health problems of millions in a constant DOR emergency was no longer possible. One had to differentiate between their blocking of new insights by doubt (rational) and by neurotic mechanisms (irrational).

It was about 736 miles from Rangeley, Maine, that we first definitely entered a sharply delineated zone of DOR (a zone extending about 50 miles north of Boston, Mass.). From Boston onward, except for a few exceptions, the landscape represented well-known signs of clearcut DOR DESERTS: Brown-black, disintegrating, crumbling rocks, trees dried, branches bent to the ground like rubber hoses, foliage lacking autumn coloration and turned brown, leaves crumbling to brown powder in one's hand, CFM (on the Geiger Counter) of an erratic nature (anywhere from 50 to 200), square, fuzzy, gray-blackish drought clouds overhead.
Some examples from the notes I dictated will show how similar the general impressions were:

"Hartford, Conn. (9 AM, 10/20/1954): DOR-+++; Air gray; Trees very bad, decaying; Bitter taste; Clouds in irregular bands **also motelled."

"Milford, Conn.; Rocks DOR-attacked **."

"Near Baltimore, Maryland (10/21/1954): Trees clearly drought-bent, broken, disintegrated. No autumn coloration, leaves turn brown."


The destruction of trees was general throughout the East. In New England trees were snapped off along their lower trunks. The cross sections of the splintered trunks appeared bone dry, brittle, no sap was present. My notebook comment was: "The Weather Bureau attributes the DOR destruction of the Maine woods to a hurricane which wasn't there (Edna)." For the cracking of the stems was basically due to their weakened condition, the result of the drying out of the living trees by DOR, which had preceded Hurricane Edna by two years.

About 50 miles from the heart of New York City (10/20/1954 at 9:30 AM) near Westport, Conn., for the first time a distinct change was noted. The atmosphere against distant hills now appeared blue-gray, a wind arose, the trees moved, the clouds rounded and thickened, lost their squareness, and no DOR was felt. I concluded and later was able to confirm this impression that "someone was drawing." A short time before, Dr. Michael Silvert had conducted a brief DOR-removal operation from a site at the East River, New York City. This operation freshened the atmosphere for a few hours only, since it became hot and dry again when we crossed into New Jersey around noon.

It was in New Jersey that we first encountered the devastating effects which the prolonged drought had caused. The ground had become parched; trees drought-stricken. Frequent were "ghost trees" whose brittle branches had broken off near the trunk, leaving a few naked stumps reaching out, very typical of dustbowl lands. The total impression to one coming from Maine which had been kept artificially green was that: "Desert Development is far along, near completion." We drove through a sandy, brownish-gray, dead-feeling landscape under a gray sky, depressed, but not disheartened.

Baltimore, Maryland, with its endless rows of identical brick houses, impressed us as especially oppressive. Driving in the car for several hours became sickening and irritating. It was after this a most dramatic change to pass into a zone of fresh, clear, blue energy, green foliage, cool breezes and fragrant smells approaching Washington, D. C. The clearness persisted throughout two days which I spent in the capital absorbing its meaningful design. Once more the impression was "someone is cloud-busting (deDORizing) here." An active change seemed to have taken place since OROP INFANT (June 1954) had first been carried out to demonstrate that relief from hot humid weather is possible. One could only conjecture that this pure atmosphere signified good news for Expedition Orop Desert Ea.

Washington was an "Oasis"; this became especially clear when we proceeded through Virginia towards the southwest. Twenty miles beyond the city the signs of desert development again appeared in full force: Signs of chronic drought appeared in the overgrazed pastures through which the underlying red loam and red clay showed; the low level of the streams in their beds, the
pared, stunted look of corn stalks which had failed to develop fully; again, the trees bent and drooping. In Sperryville, Pa., I spoke to people in whose faces despair and listlessness reflected the desperate state of affairs in their environment. They knew about the severity of their situation: "Meadows and fields are burnt up, wells gone dry • • • people are sick, slowed down, dying • • •."

Approaching the eastern side of the Blue Ridge Mountains we noted that fields on the flanks of the hills were greener than those below in the valley. From the mountain-ridge at the "Skyline Drive" we saw for the first time the "Desert Armor," in confirmation of the ergonomic desert theory. It was fresher on the ridge than in the valleys below. On the ridge, vegetation and trees looked sparkling, healthier, greener than down in the valley, similar to what is true of forested mountain-crests in deserts. Below the ridge, one could see the DOR-layer all formed, covering the earth to the distant horizon like a blanket, with a sharply delineated upper edge; beneath it the details of distant views were hidden in an opaque veil, as it were. The tops of distant mountain-ridges were seen to project clearly above the DOR shell, like islands above the ocean. This seemed to tell why forests survived in the high ranges (Sierras) while the lower vegetation, covered by the lowering DOR blanket, died off, leaving only desert in the valleys.

As the ridge road rose over peaks and dipped down into passes, one could subjectively feel the abrupt descent into the DOR layer; a sudden pressure in head or chest, a sour taste in the mouth. One could also observe that while the trees sparkled and stood erect above the DOR ceiling, they drooped, were withered, and looked dark below it. The change occurred within a few yards sometimes. Below the DOR ceiling the rocks also showed more disintegration than above. I thought possibly a change in gravity function was involved in the transition between zones, and wondered whether some types of plane crashes might be due to such sudden zonal changes. I observed a northeastward bending of tree trunks, with Melanor and moss formation on the east side of trees.

We were getting closer to the real desert:

"Kingsport, Va.: It is dry; lawns parched; a bright light on everything; droughty; note that the pall is darkest over towns • • •."

"Rogersville, Tennessee: Melanor reaction, rocks and earth black; slowed down movement of people • • •."

The dustbowl character of the land was clear 40 miles east of Knoxville, Tenn. Here in Tennessee everything was black: the burnt up cornstalks, the black telegraph poles, the black roadside gravel, the black tree stumps. The topsoil had become a dirty gray; black humus had dried out, turned to "dust". All this desperate area seemed to need was DOR-removal, water, plus an end to the atomic explosions (we were now 30 miles from Oak Ridge, Tenn.).
The patchy sandy areas of a beginning dustbowl were like islands of complete desert in a dying, but still alive landscape. Here there was no sparkle in spite of sunshine—a photograph taken in full daylight appears with the typical darkness of heavy DOR. The people appeared depressed, listless, quiet, slow-moving because of DOR. Clouds over Knoxville, Tenn., were steel-gray, fuzzy—of drought type. To our surprise there was a rather DOR-free zone to the west of Oak Ridge in which for the first time we saw sparkling, colorful autumn foliage. Red clay bluffs with contrasting green vegetation seemed typical of the healthier sections. Within these better looking stretches there now appeared pockets of desert: where whole stretches of forest were made up of skeleton-like ghost trees, and yellow, hard, cracked clay ground, rarefied fields and plantations, with only stubby, black, burnt crops remaining unharvested. Did the later completed desert patches correspond to these DOR pockets, and later oases to the reduced green areas? The land showed signs of overgrazing and erosion; the hillsides were gullied and the creekbeds dry. Driving through the hilly Tennessee country we noted repeatedly that the distribution of the DOR pockets had a relationship to the topography with regard to the west to east flow of OR energy: for each time the west side of hills appeared (1) slightly fresher, (2) with bluer haze, and (3) the vegetation greener and more alive than on the east side of ridges.

West of Wichita Falls, Texas, the drought situation again worsened, merging imperceptibly with semi-arid brushland and finally the deserts of New Mexico. Here we ran into the beginning of a sharp DOR zone, with DOR ceiling. Square, steel-gray drought clouds were now distinct. Vegetation suffered, soils appeared eroded and baked. West of Seymour, Texas, we met the edge of the expanding desert. A waitress stated, "There has been drought for three years; the situation is desperate." The transition to desert was marked by a blackish DOR layer which extended low over the horizon in four to five stretched-out layers, the uppermost merging into a brighter but still blackish sky. The earth was sandy with dune-like formations. Whitish gravel covered everything. The DOR ceiling was located sharply towards W and SW, diminishing towards N, continuous towards S and disappearing in the E. The ceiling originated from several DOR layers which lay parallel over the plains. Desert characteristics increased as we proceeded westward. Red desert hills and terraces, mesas showing their tableshapes, with stratified red sandstone and clay rocks, dotted the plains. The highest layers were still gray, the granite crowning the mesas giving them a "turret"-like appearance, which posed a problem in itself.
the sky as a blinding grayness, and over the horizon as a grayish layer. The caking of formerly good soil was progressively characteristic and eventually the caked soil prevailed over vegetation, which now consisted only of scattered low bushes, while grass disappeared.

After the desert valley it was a relief to spend a night at Ruidoso, New Mexico in the Sierra Blanca Mountains (near 7,000 feet). Here a strong, reactive, secondary vegetation had sprung up, again more marked on the western slopes.

Descending into the desert valley of Alamogordo, New Mexico, where the military White Sands Proving Grounds are located, we saw the plain covered towards W, SW, and N with a thick layer, several hundred feet high, of a gray, dead, opaque mass of DOR. Overhead the sky was blue-black, with some droughty, thin, high clouds. One felt a strongly salty taste. The white sand dunes showed a clear Oritte accumulation. Could it be that White Sands was further attracting DOR? The DOR veil was the most remarkable we had yet seen, hanging thick and opaque, low over the landscape. The mountains edging this plain looked jagged, barren, with deep ravines "as if eaten out." About 20 miles beyond White Sands the air brightened, but DOR still prevailed. I remarked: "DOR is eating up mountains, as it were." This spot was Sahara-like, without any vegetation.

We saw no sharply delineated DOR layer to the west of the San Andres mountains. In the past the CPM ranged from 150 to 200, steady. To the west side the soil was redder, and a new type of prickly desert vegetation with yucca plants was seen.

I summarized the characteristic types of DESERT DOR as follows:

1. Heavy opaque low layer several hundred feet high, no sharp upper margin. Dense center attracting less dense periphery.

2. The DOR layer ceiling sharp towards outside, unsharp towards inner surface.


4. Steel-blue DOR in front of mountains.

5. Gray dirty black discoloration of mountains.

On 10/29/1954 we arrived in Tucson, Arizona, which was to be the base of our Desert EA operations. We found here a land different from what we had previously known: Here were flat plains, stretched out between mountain ridges, which rose abruptly in a general north-south direction. Contrary to expectation, the coloring was not brilliant, although the light had a blinding effect; rather all objects appeared grayish-white. This gray tint was noticeable especially in the sparse vegetation which spotted the gravelly plain. Life here had reacted with a "secondary" type vegetation to the presence of DOR: Here everything one touched was sharp, prickly, spine-covered. We were impressed by the bare ground, giving a general impression of whiteness, hardness. The surface was baked, with large clumps of stonelike crusts (caliche), found even on digging to a depth of several feet. The plains were traversed by sharply cut out dry streambeds, or "washes." These were evidence that the few rains which occur are torrential brief
downpours; which, hitting the hard ground, simply run off, causing severe erosion of the bare ground. Later we were told that water had flowed in these riverbeds the year around as recently as 50 years ago. No prairie grass was to be seen anywhere.

The high evaporation rate due to the dehydrating effect of the DOR blanket thus presents a menace to life. The official relative humidity readings in Tucson when we arrived ranged between 5-10% at noon. At the end of January, 1955, the relative humidity was often between 60 and 90%. The DOR veil hung down as a gray-black blanket in front of the mountain ranges. The upper edge was usually well delineated, with mountaintops typically protruding out of the DOR ceiling like islands. Jet vapor trails either did not form at all, or held only a very brief time. Clouds were rare, thin, fuzzy, i.e., droughty.

Subjectively, we experienced the DOR atmosphere as oppressive, irritating; we felt drying out; we could hardly keep up by drinking fluids. Our mouths became parched, our voices hoarse, our lips cracked, our skins formed fine white scales. The blinding heat seemed to draw juice and life energy out of our bodies. It was an effort to walk a few hundred yards.

Thus having seen and felt the desert, Expedition Orop Desert Ea proceeded to begin Cloudbuster operations, in order to find out whether such a climate could be changed.

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<th>To</th>
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Transportation of the Cloudbuster and Laboratory Equipment from Rangeley, Maine, to Tucson, Arizona, October 7 to October 19, 1954

Compiled by: Robert A. McCullough

The following account summarizes notes made during the trip from Rangeley, Maine, to Tucson, Arizona, in which the WRF Ford truck, mounted with a 1953 model Cloudbuster and laboratory equipment, was taken to the U.S. Southwest desert area for Expedition Orop Desert En. The trip began on October 7th and terminated some 3,300 miles later on October 19th.

October 7, 1954:
Rangeley to Hopkinton, New Hampshire. The weather was clear, bright, sparkling and cold. There was no DOR. Concord, N. H., was free of DOR. Heavy frost at night—22° in the morning.

October 8, 1954:
Hopkinton, N. H., to Sangerfield, New York. There was a high thin overcast. From Keene, N. H., on the DOR was very heavy. Every town was cloaked with it, every valley was filled with it. At the height of land in Vermont, where one can see long vistas of mountains, all the valleys were filled with black DOR while the ridge tops were clear and sparkling.

First contact with chlorine treated water since coming to Oregon in June, 1953. It wasn't wet—it left one's skin dry. After a shower with it, one felt scaly—dehydrated. It was not refreshing at all. It was as if the skin couldn't or wouldn't absorb it.

October 9, 1954:
From Sangerfield, New York, to just north of Erie, Pa. Heavy, thick overcast all day. All across upper New York state the DOR was heavy—whole valleys were just saturated with it. However, the trees did not show overt contraction and dying. The Finger Lakes were uniformly green in color.

October 10, 1954:
From Erie, Pa., to just west of Mansfield, Ohio. The weather varied from light showers to fairly heavy rains. (It was on this date when Chicago and northern Indiana had severe rain and resulting floods.) The DOR was very heavy. All the cities were “smoggy”. In a conversation with a Clevelander, he commented that Cleveland didn’t have winters any more—only smoggy drizzles • • hardly any snow • • miserable winters.

October 11, 1954:
From Mansfield, Ohio, to Pendleton, Indiana. The weather was interspersed with showers and clear between showers. The DOR was heavy, but twice following heavy showers the OR blue would come in beautifully from the west with a complete lack of DOR. Winds were strong southerly.

A possible cloudbuster effect must be mentioned here. While the cloudbuster was pointing downward and rearward, and was in addition stoppered and covered, it was noticed that clouds kept forming to the west of the truck. They would form, build and then, when overhead and rearward, they would dissipate. This was observed over several days and occurred too persistently to be a coincidence. A confirmatory observation was that this phenomenon was absent at night and twice when I stopped for several hours during the day.
October 12, 1954:

From Pendleton, Indiana, to just east of Hannibal, Missouri. Showers all morning, but largely cleared in the afternoon. The sky showed a lot of black DOR. Clear at night. Cold.

Comment on trees: After leaving Vermont, the only foliage change noted was a finely interspersed yellowing all along the route. There was no area of general yellowing and there were no reds or other colorings. It seemed that some individual trees in every grouping were contracting, leaving the yellow behind; but there was no bending, contraction from the terminals, or general dying of trees east of Kansas.

October 13, 1954:

From Hannibal, Missouri, to three miles east of Kansas, and then on to Hiawatha, Kansas. It was clear in the morning but soon N to S bands of clouds would form to the west (clear to the east and west of the clouds), thicken and then dissipate overhead and rearward. The DOR was heavy in the morning—especially on the horizons. It was not too bad directly overhead. It seemed oppressed to the ground and did not extend too far upward. Wind was SW all day.

There was a very severe local thunderstorm in the evening with Atchison, Kansas, 20 miles to the south, reporting 2.17 inches in one hour.

October 14, 1954:

From Hiawatha, Kansas, to just west of Atwood, Kansas. A few clouds in the morning early which cleared. In the afternoon a north to south running line of unpredicted isolated showers developed to the west, but the winding of the road took us through and between them without rain. A strong north wind blew steadily all day. Water in ponds was blue after and just to the west of the showers. The DOR seemed to lie in bands. Driving west one would be in heavy DOR for some 20 miles and then there would be a DOR-free band of 20 to 60 miles and then DOR again. This was constant for the rest of the trip.

Atwood, Kansas, was very DORish. We stopped at a restaurant there for supper. It had fluorescent lights. Everything was dead in it; the waitresses looked and acted dead, the service was horrible, tempers all around were short. I had had a few "cold" symptoms the preceding morning: running eyes and nose, ear noises, sore throat, sneezing, etc. They had left after a few hours and had not reappeared. However, they came on again in that cafe and in 10 minutes they were full blown. I got out. I felt that if I had stayed in there 10 minutes longer I would have come down with double pneumonia. Our two year old boy had to get out also. He was all right outside. My wife reacted in strong shrinking. Another family nearby with two boys—aged about 10 and 12—ordered supper. The younger one wasn't hungry and the older one vomited his up. The father commented that he had never done that before. My "cold" symptoms left during the night.

October 15, 1954:

From Atwood, Kansas, to Kit Carson, Colorado. Clear, no clouds. The DOR lay in bands with areas of clear, sparkling blue sky in between. Vapor trails dissipated quickly in the DOR areas. From conversations all across the country, Saturday, October 2nd, seemed to be a day of general rain all over the U. S. It had rained and hailed 1 1/2 inches at Cope, Colorado, and a heavy rain at Lamar. Also in New Mexico. The railroad town of Hugo, Colorado, seemed to be the one worst infested with DOR. It was putrid there.
The croplands showed desert development. There were corn fields where only half the crop had germinated and only half of that had reached a height of 8 to 12 inches. Milo and other sorghums have replaced wheat to a great extent. Very little wheat was seen in areas which formerly were solid wheat.

October 16, 1954:

From Kit Carson, Colorado, to Tucumeari, New Mexico. The weather was clear. What at first appeared to be vapor trails kept forming to the west as I drove south. It was finally determined that these were not vapor trails but actual clouds—long, thin, ropey, white clouds laying low to the west. They kept forming there all day. There was a tendency for some gathering in them. They would not form until I was almost opposite the area in which they did form. What apparently were two fires far to the south and southeast were observed in the day. After about 5 hours the smoke had all gathered into a big black cloud—in mobility—over the area. It looked like a rain cloud.

Lamar, Colorado, had been the center of the dust bowl last spring. It was easy to see why. Lamar lies at the bottom of a long, deep depression in the plain. It is almost 1000 feet lower in altitude than towns 40 miles north and south of it. This depression would easily lend itself to stagnation. They had had some rain since the dust bowl and the soil was somewhat covered, but the scars remained. There were even sand dunes to the south of the town. In talking with residents of the town, it was found that the soil was very fertile—the only limiting factor being water. "With 20-25 inches of rain here a year we could grow anything." Dying trees were very evident in Lamar. The DOR increased from Eads south and was heaviest in Lamar. It lessened as I climbed to the south of Lamar.

Early in the morning I observed, at Eads, that the OR flow was more intense than I had ever seen it. The distortion of distant hills was terrific. As viewed through 10x glasses, the entire top of the hill would appear to be severed from the base, flow to the SE, and hang there. I was strongly reminded of both ocean waves and fire. The flow itself was W to E. It was a very moving sight.

Melanor was observed on rocky outcrops in western Oklahoma. In this area, also, Et in the form of caliche and Orite was observed. Nowhere was Melanor especially prominent.

The soils of the milo fields in Texas north of Dalhart were examined, and they were found to be very light colored and powdery. In fact they were just dust. I am puzzled as to why they have not blown away entirely.

Right after I left Dalhart, Texas, I noticed that my neck had swollen grossly as well as did the parotid glands. They remained thus until the following morning.

October 17, 1954:

Drove from Tucumeari, New Mexico, to the White Sands National Monument, New Mexico. The OR flow all day was west to east. Clear. Tucumeari was free of DOR outside of the buildings. It was still free of DOR for 20 miles SW until one mesa, all alone, was observed to be enveloped in DOR. All the other mesas were red. This one was black as coal. As I drove further W and S the DOR increased until at Durand it was complete DOR. It remained thus until I came to Carrizozo. This area is high upland desert country covered with cedar (juniper) trees. This country has been very hard hit by desert development. A very high percentage of these trees are dead—have been for several years—and others are dead on their tops or in large areas of their sides. This is all red soil country. The land was very dusty and dried out. Evidences of a recent rain were seen, but the land had responded little.

* Et is a designation to be dealt with in a different context.
The DOR cleared rather sharply at Carrizozo. I visited the Mal Pais lava beds at Carrizozo. The whole valley here is covered with sheets of black rock. Only the surface of these rocks is black—deeper, under or inside it grades into a brownish sandstone type of matter. The surfaces are very pitted. I felt pressure in the area, but much less so than expected after experiences with Melanor in Maine. The black rocks themselves were much less noxious than expected.

The area between Carrizozo and Alamogordo was DOR-free, and the distances were filled with a beautiful whitish-blue haze, OR blue. The DOR was concentrated heavily around Alamogordo and Holoman Air Force Base. It seemed to get even thicker there after dusk. The town itself—a boom-town type—was very desolate.

I camped that night in the White Sands. There was no DOR there then. The shadows were blue. I felt no DOR—only one short period where my pulse speeded up a lot. However, there was something very moving about these many acres of white sandlike matter. One very noticeable behavior trait was noticed in myself as well as all others. This was the tendency to stand motionless for perhaps hours on the dune crests. One was just moved to do so. It was very noticeable.

There was no overt evidence of any lasting results from the first A-bomb blast which took place in this area.

October 19, 1954:

Drove into Tucson at 07:00 hrs. completing trip.

Fourteen years previously, I had traveled through this area and camped in it. It had been a lush verdant desert as deserts go—tall Joshbas, cholla, yucca, mesquite, creosote brush and grasses. In traveling over it again all this was changed. There was just a plain on which grew a few short tumbleweeds and saltbrush—rarely reaching 12 inches high. All the vegetation was gone. Even the desert is dying. Again there were signs of recent rains in mud-holes and playa lakes—but the land had not responded. The land was completely dried out—burned.

The picture changed from eastern Arizona westward. The range looked rirach better. Reports of natives told of good summer rains here.

October 18, 1954:

Drove from the White Sands area to 20 miles SE of Tucson, Arizona. The weather was clear and warm to hot. The DOR lay heavy in all valleys—seemingly heavier on the west sides than on the east sides of the valleys. The passes, mountain peaks and ridge tops were clear and free of DOR. New Mexico had much more DOR than did Arizona. The OR flow was west to east and was quite easily observed.
CHAPTER V

CHOICE OF TUCSON, ARIZONA

Tucson, Arizona, was chosen as the base for ORUR Desert E for the following reasons:

1. It was situated in the southwestern corner of the U. S. A., only about 250-400 miles from the Pacific Ocean, at the southwestern entrance of the Galactic stream onto the continent.

2. The Tucson region was open in three directions: toward southwest (the Pacific Ocean), north (Great Basin) and northeast (Great Plains). Moisture drawn from the Pacific toward the Tucson basin, would move freely in all these directions. It was later shown that moisture could also be drawn from Mexico to the south over the Santa Rita mountain range.

3. The region around Tucson was reported as completely barren desert, i.e., with no prairie grass and no other primary vegetation growing in it. It was also reported as one of the hottest and oldest desert regions (25,000 years) of the U. S. A. It had not rained there for five years till 1954; the river beds had all been dry for about 50 years, according to reports on the spot.

4. One of the members of the advisory board to President Eisenhower established in 1953, Mr. Douglas, lived in Tucson and was head of the South Arizona Bank and Trust Company. I had hoped to meet him, since he had written requesting a personal discussion. For various accidental reasons, we never met. His banking institution helped along during the entire expedition in a most friendly and cooperative fashion.

The expedition was to prepare its equipment during September and to get under way sometime during October, 1954. During the summer a committee had been formed which was in charge of the handling and organization of all affairs of the Expedition. It consisted of the following men and women:

The financial committee consisted of Dr. Elsworth Baker, Fair Haven, New Jersey; Dr. Michael Silvert, New York; and William Steig, Cream Ridge, New Jersey. This committee was responsible for keeping the funds coming in at a rate of about 2000 dollars per month for running expenses. Altogether, the WR Foundation had a reserve of about 6000 dollars. In addition, I had designated personal royalties retained in Research Funds of two years, 1952 and 1953, 5400 dollars, to be spent for the purpose.

Orgonon as a home base had to be kept going on a minimum level. The ORUR material was to be flown in from Orgonon, Maine, to Tucson, Arizona, later.

Also, the instruments and the archives at Orgonon had to be guarded, especially against intrusion by the drug agents who were at that time intent to break in and to get information on our work for the chemical-atomic industry and their Russian political associates in their battle against the discovery of the life energy. The caretaker of Orgonon was in charge of this job. He was to keep in touch with Dr. Silvert in New York regarding the planned transport of the ORUR material. He had to guard this material which had been so distributed and hidden that no one could ever find it.

Baker and Steig were to collect funds in the East. Silvert was directed to establish a bookkeeping office for the expedition treasury and to stand by for the transportation of ORUR over the 3200 miles to Tucson.

McCullough was ordered to go by truck with the equipment as the first party. He was instructed to report back
to Orgonon until I departed, then to switch reporting to our social worker, Grothe Hoff in Boston, who would relay all messages during my transfer. This arrangement proved its value as will be shown later. We could not prove anything, but we all had the distinct impression that we were being watched by both the U. S. Air Force and possibly the Ets, to judge from certain happenings during the crossing of the continent and especially only a few hours after the arrival of the Orur material in Tucson on December 14, 1954.

McCullough carried the following equipment on his truck:

**Laboratory equipment:**
- 1 SU-5 Tracerlab G-M survey meter
- 1 Nuclear G-M meter
- 1 Fisher laboratory scale: 0.1 to 610 gms.
- 1 Stop watch
- 1 Sextant in case
- 1 Galvanometer, thermocouple, and 6 volt dry battery
- 1 Sterilizer, 110 volts
- 2 Small tripods
- 1 Case of lab tools—syringes, spatulas, needle droppers, scissors, forceps, teasers, scrapers
- 1 Coplin jar with approximately 100 microscope slides, assort.
- 2 Wax pencils—1 red, 1 blue
- 1 Bag of materials (WR's; compasses, etc.)
- 1 Box assorted glassware—flasks, beakers, Bunsen burner, glass-working tip, graduated cylinders, Stendor dishes, separatory funnel, funnels, filter paper, side-arm flask, Buchner funnel, test tubes, ampules, vials, alcohol lamps, pipettes, cotton
- 3 First aid kits

**Laboratory equipment (continued):**
- 1 Bottle live neutral Oe
- 1 Bottle of NaOH sticks
- 2 Table lights
- 1 Ice box
- 1 Telescope in case and tripod, 3.5 inch refractor
- 1 Right angle telescope
- 3 Wind vanes
- 1 Thermometer
- 1 Barometer
- 1 Relative humidity meter and tables
- 2 Typewriters, portable
- 1 Seal—WRF
- 1 Case of carpenter tools
- 2 Portable radios
- 3 Sets of charts and maps
- 2 CO₂ fire extinguishers
- 1 Tent and sleeping bags
- 1 Set field cooking utensils
- 1 OR shower
- 1 OR funnel
- 1 OR blanket
- 1 Incinerator
- 1 Basket, lunch, wicker
- 1 Folding map table
- 1 Hair clipping unit

**Photographic equipment**
- 1 Leica 35 mm. camera
- 1 Sixtus light meter
- 1 Cine-Kodak Special movie camera
- 1 Telephoto lens
- 1 Bolsey 35 mm. camera and flash attachment
- 1 Weston light meter
Photographic equipment (continued):

1 Tripod
1 35 mm. slide projector
1 Folding screen for slide projector
1 case demonstration slides
1 Kodascope 16 mm. projector

Microscopic equipment

1 Reichert Z-microscope
   with 7x, 10x, 60x and 80x objectives
   with 5x and 16x oculars
1 Microscope lamp and mount
1 Transformer
1 Monocular tube
1 35 mm. Leica photographic adapter and two cables
3 Spare pointed-filament bulbs
1 Dissecting binoculars and stand
1 Hand magnifying lens
1 Large book of lens papers

William Moise, who had assisted me with most drawing operations since the summer of 1952, was to assist me with OROP En as operator, together with McCullough.

The fourth member of our staff was my daughter, Eva Reich, M.D. She was selected to be the physician of the expedition. She had given up her medical practice in Hancock, Maine. Her car carried equipment, personal belongings and was put at the disposal of the work for the entire period in a selfless manner, free of charge. She travelled with me in my Chrysler station wagon, took notes on observations during the journey and later compiled the notes into a publication “DOR Clouds over the USA” (CORE VII, 1-2). She became an acute observer of all matters connected with Es, since she seemed to have developed a sharp sense of perception for atmospheric OR energy functions. Her scientific training, too, was of great help.

I cannot forego to mention the junior fifth member of my staff, my son, Ernest Peter Reich, at the time ten years old. He was most helpful in errands, and in other ways, up to full scale observations. It was he who made the discovery of a “node” while drawing from an Es, to be reported later in detail in its proper context. Peter was special assistant to Moise in most drawing operations, when not in school.