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THE MEDICAL DOR-BUSTER
(1942-1955)

Part One
THE EMOTIONAL DESERT

By Wilhelm Reich, M.D.

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1. Introduction:

Attempts at a natural scientific formulation of medical and psychiatric functions must be based upon reliable criteria of judgment. Such a statement would have sounded banal only half a century ago. However, with the beneficial effects of what may be termed democratization of science and medicine, went unpermissible abuse of clean method in thinking and experiment. In the realm of psychiatry, two opposite directions had developed from the old dichotomy between the "meaning" and the "energy functions" of disease. To many psychologists and psychotherapists it seems to be unclear that an "opinion" or an "idea" about a symptom or a disease picture is in no way a scientific statement. "Scientific" here has nothing to do with a self-centered scholasticism. It means integration of various criteria for the security of our judgments against error and against uncontrollable opining. Let us, while taking the development of character analysis from 1924 to 1955 as an
adequate object of such judgment, summarize briefly a few of the indispensable criteria of sound judgment. This will be necessary since the final changes in medicine will be quite radical.

The first requirement is full orientation about the realm under investigation. A physician must know first of all whether he is piloting a piper cub or a jet plane. A chemist, if he claims the distinction of being "scientific," must know that his realm is confined to the analysis of dead matter. He would inevitably go wrong and cause much damage, if in a position of authority, were he unwise enough to judge matters of psychiatry of the insane. In this volume, the red thread of our inquiry was not oriented according to the ideas in disease but exclusively according to the energy functions. The first groping attempts to come to grips with the "character" of a person were methodically clear as to the moral approach. In putting aside ethical judgment of what is considered "good" or "bad," an entirely different measure of orientation was substituted: the energy functions active in the organism under all circumstances. Variations of these energy functions, the economy of energy charge and discharge, the "energy equilibrium" and the pathological "energy household" were centered around the assumption that there existed a concrete biological energy, the Life Energy. This energy was at first hypothetically assumed to govern both functions of the soma and of the mind in the common functioning principle of the bio-energetic core of the organism. With this functional innovation in our approach to disease, we escaped the fatal pitfalls of both mechanistic rigidities of thinking as well as the mystical, merely psychological, baseless ideas about what is healthy and what is not. "Character" thus became a term of bio-energetics. It comprised both the somatic, mechanical as well as the realm of ideas. "Emotional," too, was no longer something "psychic." It is the motion of energy potentials in the organism. "Libido stagna," always conceived as the physiological element in mental disease, came more and more to mean stagnant, immobilized bio-energy. The technique of character analysis aimed basically at mobilizing the stagnant energy contained in the armor in the "middle layer" of the character structure. The "principle of energy withdrawal" governed the total effort of cure. By withdrawing energy from the disease symptoms, at first only of the psychic ones, it was possible to achieve dissolution of the ideas which constituted the compulsive idea or the phobic structure. "Withdrawal of energy" meant loss of energy in one place, but it also meant increase of the energy level in other places or functions of the living organism. The better the result in the withdrawal of energy from rigidities, muscular armor, symptoms, the more alive and mobile became the organism, until the "contact anxiety," in the genital sphere, "orgasm anxiety," emerged as the last major obstacle to the establishment of the equilibrium in the organismic energy household.

2. The Principle of Energy Withdrawal with the Cloudbuster (1952):

The principle of "energy withdrawal" was first established around 1924, slowly replacing the method of destroying symptoms by way of association. In 1952, 28 years later, several of the old familiar functions of character analysis turned up, quite unexpectedly, but logically on firm ground during the great dor emergency at Orgonon. For more than two years during the Oranur experiment, beginning in January, 1951, our survival at Orsonon depended upon "drawing off the dor clouds," which gathered and hovered over Orsonon, into a well or a lake. We met again with the principle of energy withdrawal, this time not in the realm of bio-energetics but in the realm of non-living nature.

Dor energy soon was recognized as immobilized, or stalemated atmospheric Life Energy. Early in 1952, several persons at Orsonon observed an excitation of the natural, bluish or energy surrounding the blackish, nauseating, depressing dor clouds. It was obvious that unaffected or energy became somehow highly excited by the presence of the dor clouds; also it seemed to encircle the deadly dor.

When pipes, connected with a well or the lake, (see Dor Removal and Cloud-Busting, see, 1952) were pointed toward the dor cloud, it began slowly to shrink from the periphery toward the center, the normal blue extended further toward the formerly blackish realm, until the dor clouds vanished completely. Therapeup, the high excitation of blue or energy seemed to abate. The symptoms of nausea and oppression, too, vanished in the observer.

The observation was in agreement with the fact that in the Oranur reaction it was the surrounding atmospheric energy, and not the nuclear material, which sent the Geiger Counter soaring to 100,000 counts per minute and more.

In both cases, the natural, well-functioning Life Energy reacted with severe excitation to the presence of immobilized, static, deadly Life Energy. However, immobilized energy is not inactive energy.
an organism dies, i.e., ceases to function as an integrated unit, it begins to decay, i.e., it loses its energy level; the energetic system disintegrates into smaller functional units down to rot bacteria and the ultimate T-bacilli.

This activity of the immobilized energy unit going stale is the factor that irritates the main normally-functioning energetic system. The first response on the part of the total organism to this type of irritation is what we must, in a broader sense, call the SEQUESTRATION of the diseased part; "disease" here means the isolation or exclusion of the diseased part from the integrated whole. The sequestration is the visible result of this basic isolation of the diseased part or organ.

8. OR versus DOR in Medical Pathology:

Let us now summarize a few typical examples from well-known medical pathology which demonstrate the sequestration of disease on the part of the well-functioning whole:

Rise in temperature in infectious disease is the immediate expression of an excitation of the organismic energy system, its activation for sequestration on a higher level of functioning.

Local inflammation is basically the same kind of process, no matter what kind of irritating stimulus is involved: the intrusion of a splinter, an acute local infection, an injury of whatever mechanical kind, etc. We know that the reactive fever is a sign of the life force fighting the disease. Functional fever, too, is a reaction of the organismic life energy to a disturbance of its integrity.

There are two well-known borderlines which must not be overstepped lest the organism as a whole perish: one is the over-excitation beyond a certain measurable temperature level, varying with the species, the other is a too weak reaction which permits the invader to spread its deleterious effects even till death of the whole. In the first case the organism perishes from its own excessive reaction. In the second case it perishes from being overwhelmed by the noxious agents, no matter whether in the form of sepsis, gangrene, cancer dissemination ("cancerosis") or similar processes. The common denominator is failing sequestration with subsequent disintegration of the unity of organs.

The function of cure thus seems to depend entirely upon a balance in the struggle between the noxious invader and the reacting sequestration. Too much sequestration, in other words using all of the body's energy reserves in the combat of the invader, will deplete the organism of energy necessary for its own use. Too weak, too little or incomplete sequestration will permit the invader to immobilize the organism piece by piece. We shall later realize how this functioning is applicable to the combat of the Emotional Plague.

In the process of inflammation white blood cells multiply rapidly and pour into the diseased region, surrounding and permeating completely the sequestered part. In the process of immunity the organism has been forewarned by a mild attack, still innocuous, of the true nature of the invader. The Life Energy has become "used" or "acclimated" to the danger. In case of a repeat attack it would know much better how to sequester the invader.

In all these cases and in many others of a similar nature the living organism perpetuated its totality and integration of organs by exclusion of the dissenting part which was not strong enough or was unfortunate to succumb to the first steps toward death. Death is at first locally confined, but in every case potentially capable and directed to destroy the total organism.

We may with good reason assume that wherever a disease afflicts an organ before it afflicts the total organism, the pertinent part of or energy has changed into a certain amount of immobilized, stalemated energy. The unity, totality of the organism, has been punctured, as it were. The edema which so typically accompanies inflammation of the liver, an inflamed tooth, a cancerous tumor of the stomach or even puffiness after too much drinking are vivid expressions and direct witnesses to the immobilization of life energy in the diseased part. Edema comes about by cessation of circulation of fluid; this cessation is the direct result of immobilization of the moving force, the organismic orgone energy.* Thus, the movement of the Life Energy in the organism appears as the common denominator of the mechanical movement of organ and fluids, of the integration of the organs into the functional totality of what we call organism.

We shall now take a step further into this interesting territory of functional medicine. We must ask how immobilized life energy, called nor, appears to our eyes when examining the diseased organism directly, not only by mere influence from such functions as inflammation or immunization or edema. These are secondary manifestations. There must be primary ones.

Let us first distinguish DOR as the massfree energy form of stale-

* There is also another approach to understanding edema, ascites, etc.
mated Life Energy from MELANOR as the material, substantial form of immobilized life energy.

In order to comprehend well-known phenomena in the microscope and in clinical examination in terms of these functions of primary life, we must re-orient ourselves of what we already know about MELANOR and dox from atmospheric or energy research.

The functional interrelation of atmosphere and organism is obvious. The living organism depends on the atmosphere for oxygen, water vapor, water, for the elimination of carbon dioxide; it depends first of all on the presence of Life Energy (the problem of life in the desert is a special one). Finally the basic constituents of life as well as of atmosphere are, it cannot be repeated often enough, the same; O, H, C and N. There can therefore be little hesitation to link up the living organism with the atmosphere and the outer crust of the earth much more closely than merely chemically-oriented medicine was capable of doing heretofore.

To the free-moving, pulsating, luminating Life Energy in both the organism and in outer nature we must attribute the crucial role of maintaining life. Water and rain in the desert are useless unless there is energy active to make the soil absorb and hold the fluid, just as water and oxygen are useless for an organism which has lost or energy in a sinking or energy potential insufficient to make it impossible to hold water, to continue the metabolism of $O_2$-$CO_2$. Thus the functional view supersedes the mechanical view in medicine on mere observational grounds.

4. Sequestration of DOR in Living and Non-Living Nature:

We shall not be surprised to learn that the same principle of sequestration of the invading disturber of the integrity of the organism holds true in non-living nature, too, in the formation of "dustdevils," tornadoes and similar disturbances of the atmosphere. dor clouds are encircled by highly excited or energy. When drawing fresh or energy from the west or southwest, whirlwinds develop, similar to the "dustdevils" in deserts and in regions developing into desert. The atmospheric Geiger reaction may reach 100,000 and more counts per minute, as a sure sign of high excitation in the atmospheric energy. It is as if the atmosphere were feverish. Strong winds usually in the form of sudden gusts develop, driving blackish, dirty-looking clouds ahead of themselves. These whirlwinds stir up dust; therefrom stems the term "dust" devil. But this has really little to do with "dust." It is the reaction of an excited atmospheric energy to the deadly, stale pos that kills life. The whirl may develop into a true dust storm or into a veritable tornado. The reasons for the different consequences in strength and form are still obscure. But the common principle is clear: sequestration and elimination of the stale intruder into an integral system. It makes no difference whether the intruder is coming from outside or has become a foreign body by decay or by separation from the totality of the system.

It would be dangerous now to draw the conclusion that any "disturbing" element in social affairs, too, should be "lawfully" sequestered and expelled. We are still suffering from the ugly misinterpretation of the Darwinian principle of the "struggle for survival" as a biological excuse for predatory social behavior. However, it is clear that what is meant here as "intruder" is only a life negative, deadly element which threatens the safe existence of the total organism. The appearance of the reproductive cells is not life negative, although these cells are certainly intruders in adolescence, disturbing the peace and quiet of the home or the community if disregarded as crucial development.

It is a basic characteristic of life-positive functions which develop anew within a well-balanced organism that they are being integrated organically into the total organism. This is true for the embryonic development where the integrating act of the organism keeps its unity together in the orderliness and functional lawfulness of the sequence and extensiveness of the events. Any fallout in this phase will create a freak which will destroy the integrating powers of the organism and will either be sequestered or it will destroy the whole biological environment, including the mother organism. Cancer is here a point in fact. In Raynaud's disease the first member of a digit will slowly die off; it will blacken due to Melenor, which is dead on energy, and it will be either sequestered and fall off or destroy the rest of the hand and arm through a spreading gangrene. Gangrenous tissue is black and green due to Melenor and T-bacilli development. Many questions remain unanswered. But the basic outline is clearly drawn.

The mummification of dead matter, the appearance of black Melanor on dying trees, mildew, Melenor on rye and wheat, and others belong here.

The functional problems emerging from these identities are grouped around the fact that Melanor and Orite are functions at the very roots...
of life. It is advisable not to delve further into these problems at this moment, to avoid speculation and to await the results of careful observation and experimentation in the primordial realm of the Living. This includes the bions, the T-bacilli, the massfree or energy functions, the processes in the soil and in desert development and direct work with Melanor, Orite, Orene and atmospheric energy.

Let us now return to safer territory.

5. Characterological Armor is Sequestered DOR Energy:

Developments over decades, as demonstrated by the red thread that connects the first formulations about the character armor thirty years ago with the problems of desert development, are in themselves proof of the validity of the method employed in this development. There cannot be any development of consistent thought unless the method of research is sound.

The term “armor” already includes the physiological, energetic viewpoint. The armor is neither psychological nor static but a dynamic blocking. Life Energy is blocked, i.e., prevented from moving in the armored domain. It is the total organism with the still mobile energy that does the blocking. Let us now fill in this picture of the character structure by way of the newer and deeper insights.

We are, thus, slowly reaching firm ground in the depth of the organism, beyond the confines of mechanical as well as psychological functions, in the antagonism of the life energy functions themselves; in the contradiction between a fully functioning and a stalemated or immobilized life energy. To illustrate again by way of our functional abstraction

OR

Life Energy (Le)

This abstraction, of course, means no more than a visual, handy presentation of a most complex reality; it does not tell anything without this reality which is constituted of innumerable mobile, everchanging functions. From the infinite variety of functions at the very base of living existence we are capable of crystallizing, among a few others, one crucial all-pervading principle: the priority of the Le (Life Energy) functions in the interrelations of organic chemistry, in water and oxygen metabolism, in respiration and energy metabolism, including the organic function.

These primal Le functions (Life Energy functions) pervade every part of the organism, every cell, the organic fluids, the nervous system as one total highly excitant and responsive function. Its immediate mechanical tool is the autonomic nervous system, which to some histologists and physiologists represents a “syncytium,” in other words a network of nerves without terminals. Orgonomic observations of autonomic fibers in worms add the contractile, pulsatory nature of the autonomic and perhaps of all nerves. The syncytial, autonomic nerve system is preceded by nervous _protoplasm_ in the ameba realm of the living. And it represents in its organized nervous form the amebal, primitive form of living in the most complicated and developed metazoal system. Thus, with life energy in its massfree energy form and in its organized, mobile nerve structure, the lowest and the highest formations of life are integrated in living organisms. The swelling and erection of sexual organs in the process of excitation preserve and demonstrate the most primitive life functions as persistent and powerfully active in coordination with the highest intellectual functions.

Among those basic functions of life we have found the protective function of _sequestration_ of functions which are foreign to the system and cannot be assimilated. This is true both ways, for the fully functioning as well as for the crippled, secondary, emergency functions of life. It is also true that the basic foundation of sequestration of the unassimilable, foreign intruder governs both the realm of fully functioning life and the crippled, armored or otherwise handicapped life, from the desert plants on to highly developed social conflicts.

It is so very characteristic of organomic research and functionalism in general, that wherever basic functions are encountered we are forced to deal with such generalizations and simplifications as:

both cloud and ameba are identical with regard to the organomic potential;

both the animal tissue and the social organism demonstrate the sequestration of foreign bodies;

both the nerveless ameba and the autonomic nervous system in highly developed animals, are governed by slow expansion and contraction in the processes of pleasure and anxiety;

both the secondary plant growth and animals in desert life as well as
the armored human being show the "prickly" attitude in their outer reactivity.

In the same vein, armored life exerts its power of sequestration of unarmored life just as unarmored living functioning exerts its function of sequestration of intruding, unassimilable foreign bodies. To present a well-known example from the social realm:

The life positive manifestations of natural genitality in adolescence are functions of love for love's sake: to armored life, subdued and governed by the secondary laws of the emotional desert life, these natural primary manifestations of basic life are "intruders," foreign, dangerous to its existence. Armored life lives only, and can only live, on the basis of a strict negation of bodily natural love. Therefore, whenever and wherever armored life meets with natural love, especially with the most outstanding function in this realm, the natural genitality of children, adolescents, men and women, it will exert the pressure of "social ostracism," of a negative, threatening public opinion, of slander, gossip and defamation or, worse, injunction. Armored life will thus still try to sequester and eliminate the menace to its existence on the basis of a primordial function of the living, in defense of its organismic integrity and persistence. The growth of cancer cells destroys the natural structure of normal cells; the growth of cholla and similar plants in the desert destroys the natural growth of trees and prairie grass; the growth of neurotic ideals and ideas destroy the natural, true, primary manifestations of life. The clouds in the atmosphere reverse the life process downward again, toward absence of water, reduction of oxygen, toward dehydration and reduction of the chemistry of living things in general.

Briefly, or and nor are mutually exclusive, although both use the principle of sequestration for the preservation of their existence.

Since, now, all social life has over the past few thousand years, for very good reasons, been a secondary type of life, armored, happiness-negating life, it has eliminated, destroyed by the stake and by the sword, by slander and degradation all primal life dangerous to its existence. It somehow, we do not know how, knew well that it would collapse and cease to exist in case primal life would again enter the biosocial scene. It knew, somehow, that the secondary vegetation in the desert dies out when the natural green prairie grass returns, when the soil regains its capacity to hold or and thus to hold water.

How did armored life "know" the danger that threatened its continued existence? We do not know. However, this question is of a similar order to the old biological problem: how does the newborn offspring "know" how to find the nipple of the mother with such certainty? How does life "know" all the many and marvelous things it so beautifully performs?

I believe that the problem is not so much how does life "know" as how is it possible that man has so successfully avoided knowing how life functions. As we proceed toward the common roots of variable and contradictory manifestations of nature, things appear simple, matter-of-fact. One should, at the surface of things, not easily expect that the atmospheric life energy would act in a manner analogous to the manner in which the character structure acts. Yet it does.

At the very beginning of character-analytic research in the 1920's, the structure of the human character presented itself as if it were composed of three distinct layers: the outer, socially adjusted layer; the middle layer, which contained all the armor blocks, "repressed impulses," and the core which functioned as the highly excitable, responsive and mobile autonomous plasmatic life system, including the organized autonomous nerve system which seemed to be governed only by primordial charge-discharge functions in balancing the energy system.

It is now not surprising to find the corresponding human reactions to the discovery of the Life Energy also active on the social scene. To take the example of my own scientific and social career: the first ten years, up till about 1930, were characterized not only by most amicable relations with my colleagues in the profession of depth psychiatry; my early work on the problems of genitality and character structure brought me soon into the forefront of psychiatric pioneering. Much was expected, as the documents show, from my further researches into the realm of the physiological background of the psychic structure. The world of psychiatry seemed enchanted and delighted. This attitude of admiration for my accomplishments in such publications as "The Impulsive Character" (1925), "The Function of the Orgasm" (1927) and my publications on the character resistance beginning 1928 was clearly replaced by fear mixed with awe in the early thirties as my work on the human character structure brought me ever closer to the full recognition of what today is a matter of fact everywhere; the sensations of streamings in the organism in every single case where the dissolution of the armor, the "middle layer" of the personality, was successful. It was obvious at the very beginning of these experiences that the streamings
were manifestations of physical, deeply-rooted bio-energetic functions. This finding not only brought forth anxieties in the average psychiatrist, it infuriated him to an extent which made it incomprehensible how the formerly friendly, enthusiastic men and women could have changed so suddenly and so furiously into the exact opposite.

The consequences of this deep fear and hatred toward my discovery of the later so-called "orgasmic streamings" harassed my existence and further development for nearly two decades, from approximately 1934 to 1954. Rumors about my alleged psychosis and my having been interned were rampant. Defamation of every sort, from moral to medical, from social to professional, came my way. I trained myself to ignore the rumors, the silent malignancy, the anxieties, etc. I had the distinct impression, where acute dangers did not immediately blur my vision, that here I had met with the average human character structure, with its armored middle layer in my friends, colleagues, and even some of my former most enthusiastic students. It was obvious that this hatred was designed to make my work impossible, to stop me by all means and worse. The greater the mystical admiration had been before, the more fanatic seemed the following hatred, as if the haters had decided that I had frustrated or, worse, cheated them out of a promise of some paradisiacal fulfillment. The obstacle was, of course, in them and not in me. I had done my very best, to my knowledge, to guide the early friends along the rich but dangerous and treacherous path into the bio-energetic depth of human nature. The danger and the treachery always seemed to come from what had been known to me and the profession for a long time as "pre-erotic anxiety," in other words as the well-known fear of involuntary experiences, especially during the acme of the genital embrace. Orgonomy has never lost the view of this crucial disturbance in armored man. On the contrary, this view has been sharpened as the decades passed by in careful study of man's so-called "second" nature.

Only in 1955, when I witnessed in the southwestern U.S.A. the secondary desert vegetation withering away under the continued removal of the stale air energy and the consequent re-emergence of moisture in the atmosphere and prairie grass on formerly rocky, parched ground, did it dawn upon me why I had met with such deadly dangerous hatred on the part of so many former friends at the discovery of the plasmatic streaming in the core of the organism. Not only a paralyzing anxiety had been mobilized, the orgasm anxiety; the very existence, the very ability to continue one's armored life had been challenged. Did they sense that with the return of the primal functions of life in the organism, with the natural self-regulation of primitive functions, with the disappearance of sadistic hatred, of the peculiar neurotic, perverted, confused, hidden entanglements, death would be near or would actually overtake them? We do not exactly know, but the kind and magnitude of the battle waged by neurotic organisms upon an unsuspecting new discipline concerning the Living made it, often too late, very likely that this was so. In the first phase, the admiration had been merely a reflection of the deep hope for delivery from the secondary nature, from the confusion and inner emotional desert functions. But when the middle layer actually began to melt away, when the alive force of the plasmatic streaming threatened to take hold of the total organism, and thus to change all functions, emotional, social, ethical, the organism must have felt like perishing under the strain of such basic change.

6. The Emotional Desert:

When a desert begins to develop, when the natural, original vegetation gradually falls prey to and perishes under the strain of drought, lack of dew in the morning, progressive parching of the land under a burning sun, and particularly under the constant pressure of non-energy, the deadly blackish, dehydrating and oxygen-reducing stale life energy, life still fights on. A new type of life, a secondary vegetation, adapting itself to the harsh conditions of existence in the desert, arises. It is an ugly, poorly-equipped life. The stems of the cholla or cactus or pale verdus are not solid as the stem of an oak or birch. The stem consists of single, narrow strings which are and remain brittle, and have no connection, show no fusion with each other. The whole plant is covered with bristles, reminding us in analogy of the prickly outer behavior of human beings who are empty and desert-like inside. This is not a mere analogy. The simile goes very far, indeed. The desert plants grow either leathery, prickly leaves as does the cactus plant, or as in the cholla, the chlorophyll-bearing structure is restricted to the utmost ends of the branches. It is so very characteristic of desert life that even animals have a bristly, prickly surface or sharply-pointed organs to kill: the scorpion, the rattlesnake, the Gila monster.

Desert vegetation is adapted to the dor atmosphere, to the minimal amounts of available water, to the parching, burning heat, a heat which
is due to sun radiation which has to pass through the dor layer that covers the land. This vegetation slowly replaces the last remnants of the primal vegetation, until, with the progress of desert development to the last stage, the Sahara sands desert, the secondary vegetation, too, dies out, and nothing remains but sand dunes.

With the spreading of the global desert, civilizations go under, life perishes completely in the affected realm, man either tries to escape or he adjusts, too, to the life in the desert on rare spots of green, called "oases."

The continuous presence of death (dor atmosphere) and the ever-present dull awareness of the inevitable end is characteristic of both life in the desert and life in armored man. The desolation of emotion, the dehydration of tissues alternating with puffy swelling, fatty flabbiness or inclination to edema or disease which causes edema, alcoholism which serves the stimulation of what is left over from an original sense of life, crime and psychosis and last convulsions of a thwarted, frustrated, badly maltreated life are only a few of the consequences of the emotional desert.

The bitter hatred and the readiness to kill primary life on the part of desert life is not merely an expression of frustration. It is in a deep sense, as shown before, a struggle for survival and prevailing in the face of natural, healthy life. Therefore, the bitter, well-organized fight against the forces of life. Therefore, the perfect organization in the exclusion or degradation of anything that has to do with living life.

We still remember the compulsive feeding schedules of the Viennese pediatrician, Perruet, expressly designed to kill any self-regulatory move in the infants; it has created a whole generation of orally and otherwise frustrated neurotics, who in turn ruined another generation of infants by way of their own distortions and emotional emptiness.

We remember the pathological prescriptions of neurotic physicians and gynecologists to the effect that babies must be separated from their mothers and be frustrated by withholding the nipple.

We remember the devastation exerted upon the whole population of this globe for ages in the prohibition of anything connected with genital functioning that did not agree with the conditions set for life by emotional desert souls. Who has ever or will ever count the number of the victims of this butchery alone, of the victims that have rotted away in the lunatic asylums, in the slums, in the penitentiaries, innocent victims of an organized, heavily-guarded malignant ignorance?

Making more and more laws will not accomplish anything. It will make things worse. It is like trying to save a ship with a leak in mid-ocean by removing the water pouring in with thousands of coffee cups instead of plugging the leak. The more laws that are made in the attempt to cope with ever more complicated and numerous transgressions of penal and moral codes, the more severe is the entanglement of the social machinery. The civil population knows less and less about the rules of government, since even the lawyers cannot follow any longer the details in laws made by anxious or ambitious lawmakers in confused assemblies. This may go on until a large, formerly clear-thinking, powerful nation finds itself ensnared in paperwork as it bound up with ropes self-administered, ready to be toppled by any little quirk of a nuisance political soundrel.

The remedy is to plug the holes in the social system; to remove old, obsolete laws so that no pathological lawyer or judge may have an easy excuse for his personal abuse of innocent victims of the tangle; to restrict making new laws to the necessary minimum to cope with basically new issues, such as adolescent genitality, the emergence of a new type of locomotive device, world air traffic, the existence of a cosmic energy, etc., etc.

The religious Indian or Jewish believer tries to get rid of his "sins" by dipping into the river or the lake. His organism somehow knows that water relieves one of "dor."

The common root of paradoxical behavior, such as "Do Not Ever Touch The Plague" appears to be the fear to perish oneself from one's own deadly sequestered, carefully-blocked dor-armor layer. Speaking up for the victim, standing upright in the face of defilement, smearing the dirty mess right back into the face of the pestilent smearer, requires being free of having to guard one's own messy, sequestered middle layer.

We are translating old, well-known psychological and bio-energetic terms into more fundamental physical terms. The function of genitality had been taken out of the psychological realm at the very beginning of character research, having been recognized as a bio-energetic function beneath and beyond psychology. We must be prepared to encounter the deeper, physical functions in other familiar psychiatric and medical realms as orgonomy proceeds toward the common roots
of both biological and physical existence. We may approach the riddle of the "latent negative transference" and "negative therapeutic reaction" equipped with the understanding that the armor energy is true, physical DOR energy.

Investigation of a more recent date revealed the fact that people in general are aware not only of their being blocked emotionally, but that, in the form of "hiding," they are more or less dimly aware of what they are hiding: DOR energy. Armored people are aware of the potential expressions of the armor: its blocked emotions are felt as "shameful," "intolerable," "unclean" or outright "dirty." This kind of self-awareness seems to be the very essence of the typical withdrawnness, bashfulness, embarrassment of people, especially of the reluctance to understand oneself. They have not only sequestered off the dead, stale bio-energy in their organism; they have not only put up "defenses" (psychologically speaking), "armor blocks" (bio-energetically speaking) against the DOR-energy and its expressions in their organisms, they are aware of the situation and hide as best they can even in the best of psychiatric treatment. The "negative therapeutic reaction," in other words, the getting worse upon successful treatment can now be easily understood as a manifestation of a sharpening of the awareness of the organismic ugliness, of the ill smell, as it were, of what threatens to come forth with a final improvement of things. There is no other way to get to health than through the complete revelation and experience of the ill smelling, blocked off, sequestered realm of the self. And to do so, to have to face this humiliation, one gets worse instead of better on the approach to health. This is comparable to the "crisis" in diseases characterized by high temperature, such as sepsis, pneumonia, etc.

The getting worse when one should get better is no more paradoxical than the well-known function of the "latent negative transference" which character analysis has shown to be the most essential behavior to be treated in the beginning of the psychiatric treatment. This well-hidden hatred of anyone who does point out the existence of a deadly, ill-smelling DOR energy; the "resistance" to revealing one's true being, even in front of the very physician who is to provide the cure; the general attitude of "hiding" anything that has to do with genitality, the system of energy discharge, the general evasiveness of human second nature, the "Do-Not-Ever-Touch-It;" "I'll" meaning the crucial, the essential, the point in question; the hatred of truth; the killing of truth seekers, the worship of the masters of perfect evasion; the great hatred that persecutes living life... all these are so many varied expressions of one and the same basic fact: the hiding, the sequestering off and keeping off the dead, stale energy in one's organism. From here several elucidations of man's roots in nature emerge.

We should not be surprised to find identical functions or sequences of natural functions wherever we meet with the basis relationship of fully functioning life energy to stalemated, dead and deadly DOR energy.

In the human character structure, the healthy life functions surround and shut off from activity the DOR functions in the armor.

On the social scene, we experience the three layers of the human armored character structure in the relationship to orgonomy as intense enthusiasm at first, as bitter, murderous hatred following the enthusiasm, second, and finally, after long and bitter struggles with oneself and with the development toward better self-knowledge, slow, carefully executed adaptation to the realities of the natural in man: his love organs; his rational hatreds and their expression; his relation to truth and truthful living; his abandoning of hiding, conniving, circumventing indirectness, evasiveness of the crucial in life.

In atmospheric physics we encounter the Oramur reactions which show three distinct phases. When the normal, natural or energy in the atmosphere is suddenly attacked by the nuclear explosion or similar noxious happenings, it acts as if prostrated, helpless, submitting to the deadly blow, near perishing. What is left of the or energy after the paralyzing blow, turns powerfully "mad," hitting back, raving with a healthy, good, honest rage. The third phase is characterized by a calm superiority, a majestic conquest of nor by or energy, as if what is dead should be declared dead and be eliminated from the process of living, seething life.

There is much good reason to assume at this basic level of understanding that the hurricane, the tornado, the dust devil in the desert and similar natural upheavals are functionally identical with attempts at self-cure in the catatonic seizure, the epileptic attack, the septic fever, the simplest inflammation of tissue: or energy surrounding, sequestering, expelling the DOR energy.

(To be continued)
WIND FLOW AND ORGONE FLOW

By WERNER AND DOREEN GROSSMANN*

Introduction: First to remind the reader of some fundamental orgonomic findings upon which this article is based:

In 1940 Reich invented the orgone accumulator and so showed that by a simple arrangement of materials it was possible to concentrate energy from the atmosphere. He had found "the reversed, orgonomic potential; orgone energy flows from the weaker or lower to the stronger or higher system. This not only agrees with the basic functions of living organisms, but can be directly observed in non-living nature, as in the function of gravity or in the 'growth' of clouds in the sky." (Wilhelm Reich, Ether, God and Devil, p. 114). In The Cancer Biopathy (pp. 121-124) Reich describes an experiment with an iron sphere which demonstrates that such a sphere is surrounded by a pulsating or energy field. He also describes how through a telescope and under special conditions with the naked eye he watched a pulsatory movement, usually from west to east, against the far bank of a lake. The conclusion to which he came was "the earth is surrounded not only by an air atmosphere of a definite chemical composition, but also by an envelope consisting of orgone energy." Such an envelope can only continue to exist through the orgone energy (or) potential from low (cosmic energy ocean) to high (concentration of or around and in the planet). But this envelope does not go on growing. Like living organisms and other systems such as clouds, it has its capacity level, and when that is reached the orgonomic potential changes into the mechanical potential from high to low as demonstrated in Reich's diagram for Orgone Energy Metabolism (The Oranur Experiment, p. 209).

These findings and concepts have since been confirmed many times over, most spectacularly in cloud-busting. Many experiments with or radiation (see for instance The Cancer Biopathy, p. 76) had shown Reich that "water eagerly attracts orgone energy and vice-versa." Working with this and an observation that long metal pipes affect the or flow, he invented the cloudbuster (1952). By pointing metal pipes grounded in running water at the center of a cloud, he found he could trigger a flow of or from the cloud into the water, thus lowering the or potential between the cloud and its environment, making it impossible for the cloud to go on drawing or and moisture and so causing it to dissipate. Conversely, when he drew from near the cloud, he found he could cause the cloud to grow, for then the or potential, cloud-environment, became greater and the cloud drew energy and moisture faster and faster.

Reasoning leads to the assumption that the or envelope of our globe is made up both of massfree or and of or bound up in the water vapor and the gases of the atmosphere. Each atmospheric "atom" or "molecule" constituting a tiny bit of matter holds or and is surrounded by a tiny or field. These particles of matter move in the earth's energy field which is part of the cosmic energy ocean. To separate neatly the energy fields of the individual material particles from any free or around them is impossible. The fields are or of greater concentration with the highest concentration close to the material core. The move-
movement of air can, therefore, not be separated from the movement of energy; the air currents of our globe come about through the unitary flow of energy and air.

Let us see whether observations of air flow and or flow confirm this assumption.

We had been observing or and air flow for a considerable time and had found that they were in the same direction. To make sure, we started watching the or flow in mountain valleys. Mountain valleys all over the globe have an air flow of their own which is particularly marked in the warm season: in the daytime there is a strong wind up the valleys, and in the night and early morning a wind in the opposite direction, generally less strong. The observations we made in various valleys in the Alps (upper Rhone, July, 1953; Linthal, Glarus, August, 1953, and July, 1954; Upper Engadine, October, 1953; Reusatal, where it is filled by an arm of Lake Lucerne, May, 1955) showed that in mountain valleys, too, or flow and air flow are in the same direction and that the or undergoes the same change of direction as the wind. Apart from the regular daily reversal of flow, the fact that two of the above valleys, i.e., Linthal and Reusatal, run south-north, leaves no doubt that our original observation in the plains had been correct: or flow and air flow are very closely bound up with each other.

All the land masses of the globe have very strong local wind systems. Apart from valley winds which we shall discuss in detail below, there are land and sea (and lake) breezes, and circulations between arid and fertile regions. A good example of the latter is the circulation that exists between the arid regions of the southwest of the United States and the surrounding territory. It was found (A. Wagner, Uber die Tagesswirke in der freien Atmosphäre, Beitr. z. Phys. d. fr. Atm., Vol. 25, 1938, pp. 145-170) that in summer during the day there is a strong flow of air (up to 15 mph) toward the arid zones in the southwest, particularly from the east and northeast, stretching over a distance of at least 625 miles from the center of the arid zones and reaching up to about just under a mile, above which height there is the back flow. Our observations would show that such local wind systems are identical with local or circulations. The detailed investigation of valley winds confirms this.

Valley winds, especially those of the Austrian and Swiss Alps, have been investigated very thoroughly and there is a large number of publications on the subject. Also, various theories have been advanced to explain them. They are, however, unsatisfactory as they do not get beyond the investigation of such secondary functions as temperature and pressure differences.

On sunny days in the warm season when on the plains there is little or no wind, all the mountainous regions have a very lively air flow; there are strong currents not only up the mountain sides but also right down in the valleys. There the air does not flow up away from the ground, it moves within the valleys as in pipes not reaching above the mean height of the mountain crests on either side. Long and wide mountain valleys in particular have very strong upvalley winds during the day. These winds are so strong in many cases and they are so regular that in some valleys the trees are tilted forward in the direction of the upvalley flow. The speeds of many of these winds have been measured and they range from an average of 7.4 mph up to 18, 20 and even 22.5 mph. The Maloja wind (Upper Engadine, Switzerland) for instance, which is one of the best known alpine valley winds and probably the strongest, reaches a speed of 18.20 mph in the early afternoon when it is most developed. The Inn Valley wind (Austria) reaches velocities up to 13.5 and 15.5 or even 22.5 mph and the Upper Rhone Valley wind (Switzerland) up to 15.5 mph. Upstream wind speeds are even higher. Whereas on an average they amount to 9 mph, up to 29 mph has been recorded. All these winds are a regular daily occurrence especially in the spring and summer on sunny days and they are chiefly though not exclusively found on days with a slight general pressure gradient, i.e., when there is little or no air movement on the plains.

Detailed study of air movements in mountainous areas on sunny days leaves little doubt that this is an orgonotic phenomenon. Most major alpine upvalley winds set in between 8 a.m. and 10 a.m., that is, several hours after the sun has risen over the plains and over the mountain valleys. Further, they set in abruptly. The Maloja wind, for example, starts with a few gusts rather vigorously at Lake Sils near the Maloja Pass between 9 and 10 in the morning and its progress along the Upper Engadine valley can easily be followed in the rippling of the lakes. The investigators also found that generally the air across the whole width of the valley bottoms and up to a height of several hundred yards begins to move almost simultaneously. Also, at Innsbruck (Inn Valley, Austria) the downvalley wind reaches its maximum intensity just before the upvalley wind sets in. The same observation
was made in Salzachtal, Austria (1944). Thus from sunrise more and more or and air are being more and more strongly attracted towards the plains. We must assume that the growing excitation on the plains in the morning brings about a tension that increases slowly and reaches a peak about nine. Then it suddenly breaks into a movement away from the plains, that is, or and air begin to flow up the valleys in big streams.

We cannot avoid the impression that this is an organonic charging process and that the upvalley winds are a discharge function. This becomes immediately apparent if we try to comprehend the two processes in terms of gravitation. Gravitation has been shown to be a function of the organonic potential, i.e., in the case of the earth, of the attraction exerted by the high organonic potential of the earth on weaker systems around it, i.e., having a lower organonic potential. We must assume that when a particular area of the globe is being excited more and more by the sun in the morning its gravitational attraction increases, till a certain degree of charge has been reached whereupon the discharge sets in: the organonic potential changes into the mechanical potential, that is, upvalley winds and upwind currents on the plains set in. In terms of movement, charge and discharge therefore take this course: first, there is a movement toward the center of organonic attraction and then a movement away from it. The above described air and or movements on sunny days bear this out. The process does not, however, end here. Another movement toward the center of attraction sets in, but higher up: it has been found that on sunny days above the Alps at a height of about 8,500-13,000 ft. there is a back flow of air towards the plains on all sides stretching from 100 to 125 miles from the central crests of the Alps. In this way the two movements become simultaneous and a closed circulation of or and air comes about which embraces large areas of the globe. A similar circulation covering a much vaster area exists between the Rocky Mountains and the Great Plains. There the back flow is at the same height as over the Alps but stretches over at least 625 miles to the east. (A. Wagner, ibid.)

We would like to repeat and stress the fact that the discharge takes the form of a movement directed against the force of gravity. It seems, therefore, reasonable to assume that where the ground is inclined this movement is induced most readily. The inclination will provide the necessary slight impulse to set the process going. The steeper the ground, the more readily the upward flow will come about. The nar-

tower or shorter the valley, i.e., the steeper the valley bottom and the slopes, the earlier the winds get going. Very thorough investigations in Salzachtal have shown that the valley wind reaches higher and higher up above the valley bottom as it gets, as more and more air is drawn into the flow. They have also shown that the wind increases in speed the higher up the valley it gets. Investigations of upvalley winds have shown that the movement of the air on slopes follows the varying insolation conditions very closely. The reversal of flow sets in between a quarter and three-quarters of an hour after sun rise and sunset. The path that pilot balloons take rising up mountain slopes shows where the upward flow meets a steeper bit it detaches itself from the slope and the air rises vertically, often at terrific speeds. The fact that the impulse comes from the ground also becomes clear from the observation that the upvalley wind first sets in close to the ground and close to the ground it shows the greatest intensity. It is further borne out by the fact that the valley winds reach up less high in the middle of the valley than on the sides.

The discharge may also take place in the form of currents rising vertically from the plains and other flat land areas. These currents, too, have been investigated thoroughly, by means of pilot balloons, and by gliders, and they have been found to be very narrow, comparable to shafts or chimneys. They are generally about 3,300 ft. long and hang in the air like big hoses and often the wind tilts them. In some cases the connection with those places on the ground where they originated could be established even where the upwind speed was 13.5 mph and in one case the top end of such a current was found to be 2.5 to 2.8 miles north of the place where it originated. Also, they often pulsate, i.e., they form and disappear in the same places at fairly regular intervals. The answer as to what produces these upwind currents was, of course, at hand: overheating. But investigations by the German Research Institute for Gliding revealed new and somewhat puzzling facts: it was found that these currents did not form where the ground was damp or where the water table lay near the surface. Even areas with only poor vegetation (partly sandy) with ground water at a depth of 7 to 10 feet showed relatively cool surface temperatures and no upwind currents. Furthermore, whereas these were only met sporadically and always in the form of short chimneys or shafts, the downward movement of air was found to be less strong and spread over much larger areas. Above areas with a high water table and
above an oak wood strong downward currents were experienced. Above the center of Berlin, where the water table is only 7 to 13 feet below the surface, they regularly found slight downwinds. Airplane pilots and gliders frequently come across downward currents above rivers and woods (these latter hold a lot of moisture) on days with only slight wind. These findings have not been explained. From the point of view of orgonomy their significance is, however, immediately apparent if we think of what Reich has found about the relationship of ox and water and especially of the processes underlying cloudbursting.

The investigators also found that where these upcurrents occur there is a hot area close to a relatively cool one and that the upward movement first sets in where there is the greatest temperature difference. This suggests that it is the less excited ox and the cooler air of the cooler area that being more and more strongly attracted suddenly rush to the area that is more excited and thus provide the slight impulse that sets the upward flow going. The pulsation that is very frequently found in these currents (the individual currents lasting, for instance, between 15 and 30 minutes) would be due to the cooler air gradually flooding the hot area completely. The new current would set in when the cool air in turn had been heated up. This type of air current is most frequently met with on days with little or no wind and intense insolation. Other investigations showed that on sunny days with slight or brisk winds strong upward currents regularly form at hills and other elevations of the ground such as coastlines, isolated buildings, towns, edges of woods and banks of rivers. Such obstacles force the ox and air streams up and in this way act as triggers for the upward movement. This flow is by no means always due to the air being forced over obstacles that it meets on its way if it cannot flow around them. Such currents do of course occur but they do not flow up vertically; they follow more or less closely the contours of the ground, as investigations have shown.

The vertical air currents described show very clearly all the characteristics of a discharge. They are far more intense, i.e., have far greater speeds and reach far greater heights than can be accounted for by mere overcoming of an obstacle. This is particularly obvious with upward currents that form in flattish territory on calm days. Also the usual explanation that air rises because when heating up it becomes less dense, i.e., lighter than cooler air around it, can, of course, not satisfy. Why does it become less dense, less heavy?

UPVALLEY WINDS A DISCHARGE PHENOMENON

Gliding flights and pilot balloon investigations carried out on sunny days with few or no clouds and little or no wind above flat territory show that upwind currents usually reach about 3,500 ft. above the ground and that their speed averages 2 to 4.5 mph. Upwind currents under cumulus clouds are usually more violent. Speeds up to 11 mph have been recorded below such clouds and up to 22.5 mph inside them. Even greater speeds occur in thunderstorm clouds, up to 45, 67 and 90 mph. We mentioned earlier that up-slope winds often detach themselves from the ground when they come across very steep hills and from there flow up vertically, finally forming cumulus clouds. Whereas up-slope winds show speeds up to about 9 mph, such vertical currents may reach up to 29 mph, i.e., velocities that are normally only found in thunderstorm clouds.

The heights reached by up-slope winds and by upwinds forming clouds are impressive, too. In one case in the Inn Valley up-slope winds were found to reach up to 11,500 ft. above sea level, i.e., 4,900 ft. above the mean height of the mountain crests on either side of the valley. On that day at 11,500 ft. there was a west wind blowing of 11-22 mph. Cumulus and thunderstorm clouds which have developed out of cumulus are the visible signs of upwind currents. Probably the heavier type of cumulus, and cumulonimbus (thunderstorm clouds) of the nonfrontal variety form out of up-slope winds; they are therefore most frequently met in hilly or mountainous districts. In accordance with their intensity such upwind currents reach terrific heights. Whereas 10,000 ft. is an average figure, 20,000, 26,000 and more occur.

Our impression that the upvalley winds are a discharge phenomenon seems to be confirmed by the nature of the pressure curve recorded by the barograph in the plains on sunny days in the warm season. In the tropics the whole year round we find the same 24 hour pressure curve every day with two maxima, one about 9 in the morning and another about 10 in the evening, and two minima, one between 3 and 4 in the morning and another about 4 in the afternoon. The oscillation is 3 to 4 mb. In middle latitudes the daily pressure curve is mostly very irregular owing to the frequent depressions. During prolonged spells of fine weather, however, it is very much the same as in the tropics with an oscillation of about 1.3 mb in the plains. The most striking feature of this 24 hour pressure curve is the drop during the hottest part of the day after a rise in the morning. In our warm season in the plains pressure rising from sunrise reaches its maximum about
9 in the morning; that is about the time when most major valley winds set in in the summer. After this peak it drops steadily till about 4 p.m. in the afternoon, i.e., till the time when the valley winds reach their maximum intensity, and starts rising again about 5 p.m.; that is about the time when most valley winds are beginning to slacken off. After the upvalley flow has stopped (about 8 p.m.) and the downvalley winds have set in (about 9 p.m.) it reaches a second, but weaker maximum about 10 p.m. This fits in with another observation made in Salzachtal: there the downvalley flow was found to reach a first maximum soon after it had started. This is probably due to the fact that at that time the plains are still fairly warm (the sun sets about 8 p.m.) but as the big discharge, the upvalley winds, is no longer at work, the tension on the plains is not relieved. The downvalley flow comes about because now that the upvalley flow has stopped the plains can also draw in and air down the valleys and the mountain sides whereas during the day or and air had moved in chiefly from the higher strata of the atmosphere above the plains. Finally a second, but also weaker minimum develops around 3 or 4 in the morning (the sun rises soon after

Curves showing deviations from the daily mean pressure

a) on the plains (Paris in August)

b) in mountain valleys (Bozen in the summer)

Drawn from data given in articles by J. Hann.

BAROMETRIC PRESSURE RECORDINGS

1) which shows that by that time the plains have cooled down considerably in their turn. At that time, too, the downvalley winds seem to be least intense.

Whereas pressure recordings on sunny days in the warm season, as we have just mentioned, usually show an oscillation of about 1.3 mb in low-lying territory, in mountain valleys the average amplitude is 4 mb. Here there is only one maximum, about 7 a.m., and one minimum, about 5 p.m. As we have already pointed out, such a drop in good weather is otherwise only met in the tropics. To understand this we have to know more about air movements in the mountains on sunny days. As we have pointed out earlier, it has been found that slope winds react to the varying insolation conditions far more quickly than valley winds. Upslope winds set in a quarter of an hour to three-quarters of an hour after sunrise. They start flowing 1 to 2 hours before the upvalley wind of the same valley. In small valleys the upvalley winds in their turn start earlier than in big valleys. The smaller or narrower the valleys the sooner they begin. Whereas in the long, wide valley of the Inn, for example, the mighty upvalley wind rarely sets in before 10 to 11 a.m. (at Innsbruck) in the summer, i.e., 4 to 5 hours after the sun reaches the valley bottom, in the nearby considerably narrower and steeper valley of the Ötztal (a small tributary of the Inn) the upvalley flow begins about 2 hours after sunrise. These findings are in accordance with our assumption that how soon the upward movement starts depends on the steepness of the ground. The fact that the rising sun first strikes the mountain slopes and also that the mountain sides, as they are mostly bare, heat up more quickly naturally accelerates the process. Thus we must assume that already an hour or two after sunrise countless currents of or and air are flowing skywards from millions of slopes in the gigantic mountain mass of the Alps. We have to add to this the fact mentioned earlier that upvalley winds have frequently been found to be more violent than the strongest upvalley winds. Not only on the slopes themselves but also and especially below harmless fair weather cumulus clouds formed by upvalley winds, velocities have often been recorded that in the plains are only met with in thunderstorms. As the day advances and the upvalley flow sets in, first in the smaller valleys and then in the big ones, more and more or and air move upwards more and more quickly till finally in the early afternoon air and or are rushing upwards as though the whole vast mountain range was aflame with countless huge fires. It is obvious from this
that on sunny days in the warm season there is a tremendous amount of atmospheric movement in and above mountain districts. The air is wonderfully light and bracing, everything breathes, sparkles and luminates. The extraordinarily enlivening effect of mountain climates is certainly at least as much a result of this complete absence of static conditions as of the purity of the air or the fact that the atmospheric energy functions the better the freer it is from gaseous admixtures. On the other hand the plains show very little movement on warm sunny days. As there may be complete calm on such days we must assume that the discharge only takes place in vertical upwind currents which as we have pointed out only occur sporadically covering very little ground, and in the slow movement of air and or toward the mountains in the regions bordering on them. This is in accordance with the finding that the upvalley winds are the most shallow and the slowest at the openings of the valleys into the plains. At night every slope and every valley has its downward wind. Although on a few occasions velocities up to 15.5 mph and 22.5 mph have been recorded (in the Valley of the Adige, Italy, and in the Valley of the Inn, Austria) downvalley winds do not usually exceed 2 to 4.5 mph. Downslope wind speeds are on the whole lower than those of upslope winds. It is however significant that downvalley winds increase in speed the nearer they get to the plains. What has been said about upslope winds, and about upvalley winds in narrow valleys, starting earlier than upvalley winds in big valleys applies to downslope and downvalley winds. Also many slopes and valleys get into the shade quite some time before the sun sets. Thus the downwind flow of or and air probably sets in about 5 p.m. in many places (the sun disappears from the floor of the valleys at about 6 p.m.).

To return to the pressure curve in mountain valleys: we see that pressure begins to fall at the ground about the time when the upward flow sets in and goes on falling till about the time when the downward flow begins. About that time it starts rising again and goes on rising till about the time when the morning sun strikes the first slopes high up. At Bozen, which is situated in the Valley of the Adige (Italian Alps) near the center of the widest part of the Alps, pressure falls by an average of just over 4 mb from about 7 a.m. till about 5 p.m., at first slowly till about 8 a.m., then at an increasing rate till about 11 a.m., then more slowly again till about 1 p.m., then more rapidly till about 4 p.m. and finally slowly till about 5 p.m. About that time it starts rising again and goes on rising till about 7 o'clock the following morning, at first slowly till about 6 p.m., then very rapidly till about 11 p.m., then again slowly till about 4 a.m. and finally again rapidly till about 7 a.m.

In order to understand these two parallel processes functionally we have to make the following assumption: the weight of the air is a function of its gravitational attraction which is determined by its mass and its orgonotic charge. When the sun begins to excite a particular area of the globe in the morning energy and air are drawn toward it, as a result of which the orgonotic charge of the ground and the air, and the quantity of the air in that area start growing. In this way a high orgononic potential is built up at and close to the ground. Its pull and the increase in the quantity of the air show in a rise of pressure. When the capacity level is reached the orgononic potential from low to high is reversed into the mechanical potential from high to low, i.e., the pull turns into repulsion. As a consequence the “weight” of the air, that is to say its pressure, diminishes. In this way the pressure curves depict the direction of flow of or and air and its varying intensity.

There is, however, another process at work on sunny days which must be responsible for the greater fall of pressure in mountain valleys. In the summer the Alps have comparatively little sunshine in the middle of the day. Not even every third day is there full sunshine whereas in winter the sky is clear every second day. The sunny time in the summer is about 9 a.m. whereas after ten all over the sky cumulus clouds of every size begin to form which keep blotting out the sun. It often happens that the mountaineer finds himself stuck in a mountain hut in mist and rain while from time to time he catches a glimpse of the sunny plains through a rift in the clouds. Frequently local thunderstorms develop in the afternoon. In the evening all these clouds dissolve again. The investigators of upslope winds very frequently could establish the connection between these clouds and upslope currents. Pilot balloons released on slopes after rising close to the ground would often travel beyond the crests and make for cumulus clouds above them. As the balloons approached the clouds, they moved faster and faster till they disappeared in them.

The investigations leave no doubt that it is the upslope currents that are responsible for the formation of the clouds. In accordance with orgononic understanding of cloud formation we have to assume that currents which rise up the slopes and beyond them upset the even distribution of the or in the atmosphere. They create higher or con-
centrations in some places than there are in others and thus produce areas with a higher ergonomic potential which attract further on and further water vapour. Once such small centers of attraction have developed they may grow drawing increasingly large amounts of energy from all sides. And as the clouds become more and more numerous and more and more voluminous their "pull" may become so considerable as to accelerate and intensify the discharge in the whole mountain area and to a lesser extent and indirectly in the plains, too. In this way high up in and above the mountains a new center of gravity forms that counteracts to some extent the pull of terrestrial gravity.

The clouds, however, not only attract energy, they also hold it fast. One might conclude therefore that the amount of air close to the ground diminishes during the day, returning to its previous level at night upon the dissolution of the clouds. We do not think that this happens to any appreciable extent. The warm, sunny plains constitute a strong center of attraction and thus fresh air will continuously be moving in from adjacent areas and from higher strata of the atmosphere to take the place of what has flowed away.

The above-mentioned pilot balloon investigation of upslope currents show further that it is not only energy that flows into the clouds but also air. Valley winds, slope currents, vertical currents on the plains and clouds come about through the unitary flow of energy and air. The clouds are formed by these currents and they attract them. It is in agreement with ergonomic understanding of gravitational attraction to assume that clouds concentrate not only energy but also air. Pressure at the ground, however, will not be affected by the concentration of such limited amounts of air high up above the ground as other air immediately takes its place. Also, these fair weather clouds do not grow indefinitely. Observations of the movements of clouds make it quite plain that clouds are systems that form and dissolve simultaneously. Investigations from airplanes of the development of cumulonimbus clouds have shown that in the cumulus stage there is a predominating general upward flow of air in the cloud whereas in the mature cumulonimbus stage there are updrafts and downdrafts, and a general gentle downdraft in the dissipating stage. It is clear that clouds draw and discharge energy simultaneously. The discharge takes the form of movement away from the center of attraction, i.e., the core of the cloud, and, as certain considerations suggest, the form of radiation of heat and light. When through these three processes the material units which were concentrated in the cloud have given up the greater part of their charge they are "heavy" again, that is, now the stronger pull of the earth again draws them back to the ground. We know that above the Alps during the day there is a back flow of air towards the plains on all sides. Also it is known that downdrafts are often met with in the vicinity of cumulus clouds. It does not follow, however, that this air which has become "heavy" again owing to having a low ergonomic charge counteracts the falling of pressure at the ground. For as soon as it nears the ground it is soon charged up again strongly.*

Taking all these factors into account we come to the conclusion that the greater fall of pressure in mountain valleys is due to the combined effect of the lively discharge process and of the pull of the clouds, whereas the smaller fall of pressure on the plains is almost exclusively a result of the discharge process, which is also more sluggish on the plains.

In order to bring out clearly the discharge nature of upvalley and uphill winds and vertical upcurrents on the plains it is necessary here to distinguish sharply between expansive processes and discharge processes. In CORE (Vol. VI, pp. 1-7) Reich introduces the concept of the or envelope of the earth expanding in spring and contracting in autumn. Certainly, although to a lesser extent, the or envelope also expands in the morning and contracts in the evening. Further, the gaseous envelope of the earth expands and contracts, too. In the morning, under the action of the sun, the or and the atmospheric gases over the plains begin to expand. At the same time the plains begin to draw energy and air strongly from the surrounding areas. Thus the volume of air and energy on the plains grows, both through the sheer process of expansion and through the concentration of energy and air. When the ergonomic charge of the atmosphere has reached its capacity level the discharge, i.e., the upvalley winds, etc., set in. As a result a contraction or rather a shrinking of the expanded atmosphere over the plains would come about, through a decrease in the mass of energy and air concentrated there. The upvalley flow would, therefore, soon stop if it were not for the process of expansion going on and ever new quan-

* Since writing this article we have read the Report of the Thunderstorm Project (The Thunderstorm, Washington, D.C., June 1949). It is a splendid confirmation of Reich's understanding of cloud formation and of the conclusions drawn in this paper. Certain differences are due to the fact that the Thunderstorm Project dealt with clouds having a different origin from those considered here,
tities of ox and air being drawn into the circulation owing to the continued action of the sun.

![Diagram of discharge, expansion, contraction, and capacity level]

It is obvious from the diagram that discharge is coupled with contraction whereas charge is coupled with expansion of the orgonomic system. The expansion of the atmosphere in the morning would certainly not produce a wind and above all the air would not flow in strong, fast streams setting in late and suddenly. Here we come across the peculiar behaviour of the ox not to discharge continuously and gradually the energy potential that has formed, but to build up a “tension” that is released suddenly and more or less rapidly. As regards the mostly gentler flow down the valleys at night it is chiefly due to the fact already mentioned that the plains, being warmer than the mountains, go on charging up, whereas the big discharge has come to a standstill.

In studying wind flow and ox flow one is struck by what seem to be certain characteristics of orgonomic charging and discharging processes:

1) Orgonomic charging processes seem to be characterized by a certain slowness whereas discharging processes show rapidity and abruptness: the slow charging up of the atmosphere and the clouds has to be contrasted with the rapid and abrupt discharge in the upvalley winds, upslope winds, upcurrents on the plains, and in the lightning and the precipitation from clouds.

2) It follows from this that discharge processes are slow to set in.

3) Many discharge processes seem to require some outside impulse to set them going. Such impulses may come from the inclination of the ground, from some sort of movement such as other discharges (e.g., upslope currents, upvalley winds in small valleys), cool air undercutting hot air, heated air being pushed along by the wind or pushed up against some elevation on the ground.

4) The discharge takes place in narrow channels: the upcurrents on the plains are “chimneys,” the air moves up the mountains in valleys acting like pipes and it was often found that upslope winds followed grooves in the mountain side and in any case were stronger there; the discharge of energy from clouds may take place in the narrow paths of lightning; the water vapor collected in the clouds, if precipitated, mostly falls in the form of droplets, not in gushes of water.

On the basis of these characteristics functional relationships appear between the atmospheric processes described and such processes as:

a) the orgasmic discharge (slow charging up of the organism, rapid discharge, outside impulse through movements, discharge flow through narrow channels, i.e., genitals):

the action of the heart (discharge more rapid than charge, discharge flow through narrow channels, i.e., blood vessels):

the excretory processes (slow charging up of intestines and urinary bladder, rapid discharge, often outside impulse through certain movements, discharge flow in narrow channels, i.e., urethra and intestines):

respiration (exhalation more rapid than inhalation, discharge flow through narrow channels, i.e., windpipe and nose or mouth):

eating (slow charging up of mouth, rapid discharge in the action of swallowing, discharge flow through narrow channel, i.e., esophagus).

b) the functioning of the cloudbuster (discharge comparatively rapid, outside impulse through moving of pipes, discharge flow through narrow channels, i.e., pipes):

the functioning of the lightning rod, i.e., “electric” needle effect (rapid discharge, outside impulse a moving approaching cloud, discharge flow through narrow channel, i.e., metal rod):

the flow of electricity (rapid discharge, outside impulse movement of wire in magnetic field, discharge flow through narrow channels, i.e., wires).
WILHELM REICH’S EXPERIMENT XX

By Bernard Grad, Ph.D.*

Reich, in his monumental book, The Cancer Biopathy, presented for the first time in the history of science unequivocal evidence for the fact that living forms can develop from clear and autoclaved solutions. Thus, by boiling some humus with water, filtering this water until clear, autoclaving it, and then freezing it for several days, Reich succeeded in obtaining flakes which under the microscope were seen to have organic, that is, living form. These flakes also showed such other properties of life as pulsation, and under suitable conditions growth and development. More recently, Reich demonstrated that protozoa developed in some of these preparations kept sterile for several years (Orgone Energy Bulletin, Vol. 3, No. 1, 1951, p. 1). This great experiment, Experiment XX, demonstrated that cells can be formed from a condensation of the primordial biological energy, the orgone, and destroyed the basis for the belief that “all cells come from cells.”

The present report describes some of the organic forms obtained when Experiment XX was repeated using soil from the local (Montreal) region. Tap water was boiled with soil for about 3/4 hour, and then filtered free from soil as judged by microscopic examination. This filtered bion water was poured into eleven bottles, which were then stoppered with non-absorbent cotton. Nine of these bottles were autoclaved for half an hour at 15 lbs. pressure, the remaining two being left unautoclaved. Seven of the nine autoclaved bottles were then frozen for a period varying from two weeks to several months, while the remaining two were not frozen and were kept at room temperature.

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HOW DID THE FLAKES ARISE?

All seven solutions which were frozen showed the presence of flakes even in the frozen state, and on thawing out, a lacy, loose accumulation of matter was visible in each bottle so treated (Fig. 1). Immediately after the filtered, autoclaved and frozen bion water was thawed out, the flakes were examined microscopically, the withdrawal of fluid from the bottles being done by sterile technique in all cases described in this report. The microscope revealed that the flakes consisted of a fibrous network in which were interspersed round spore-like forms with a diameter varying from 6 to 20 microns. Microphotographs of these “spores” are shown at increasing magnification in Figs. 2 to 7. Some of the “spores” were divided in two (Figs. 3 to 5), while an occasional one was split three ways (Fig. 6). The division of “spores” was seen in solutions which had just thawed out, as well as in those examined some weeks later. Intact “spores” had a brownish-yellow color and were taut and full.

Not a single one of the four bottles which were not frozen showed these flakes with their “spores.” Therefore, the flakes arose within the solution as a result of the freezing, but were not there before the freezing, and did not come from the outside. Therefore, living membranous forms can develop from clear, autoclaved bion water.

Some of the solutions were kept for some months and these were maintained at 37° C. After several months, some of these flakes began to disintegrate into small round pulsating vesicles, that is, into bions (Figs. 8 and 9). These vesicles pulsed vigorously, had wide fields, and were continuously fusing with, and separating from adjacent bions. The strong attraction of these bions for one another was also obvious from the fact that they tended generally together in heaps, each heap corresponding to a former “spore” (Figs. 8 and 9). That these bions came chiefly from the “spores” was apparent from the fact that in the early stages of their appearance, they existed in heaps in the place where the “spores” formerly existed, and as the heaps increased in number, the “spores” decreased, leaving finally a flake consisting only of fibrous material and a few empty or collapsed “spores” (Fig. 9).

How did the flakes arise, and why did they have the living form which they presented? Reich has answered these questions in The Cancer Biopathy and in Cosmic Superimposition: boiling the humus released its orgone energy (or) into the water; freezing the bion water contracted the or and converted it into matter, which took on a shape corresponding to the original or movement. In the present study we
can visualize that upon freezing the bion water, some of the or in it was frozen literally in its tracks, and each of the fibres crisscrossing the flake represented one such track where the or was moving before being frozen. And how did the "spores" arise? A fascinating feature of these "spores" was that they were always found within the flakes, never outside, during the eight months' observation. Therefore, the origin of the "spores" must have been intimately connected with that of the flakes. In Cosmic Superimposition, Reich showed that when two orgonotic streams approach one another sufficiently closely, they attract one another and superimpose, forming matter in the center. The "spores" of the present study probably arose through superimposition, for microscopic examination revealed that where there were "spores," there also converged orgonotic streams, now condensed in the form of tracks. 
"Spores" with tracks entering them can be seen in Figs. 10 and 11.

Another question which arose was this: although in both cases the shape of the flakes was living, why were the "spores" obtained in this experiment different from the forms shown by Reich in The Cancer Biopathy? This is probably a matter of the conditions under which the free or in the bion water is frozen. For example, it is suspected that the "spores" arose in the present study through a more gradual freezing of the bion water. This problem is being investigated further.

Where so many others failed, Reich succeeded in demonstrating that the so-called "spontaneous generation" does occur under certain conditions. Moreover, he showed that there is a functional basis for this phenomenon, and not a mechanistic or mystical one. For this, and indeed for all his great work, mankind owes an immense debt of gratitude to Wilhelm Reich.

(Anton Oberleitner rendered technical assistance in the taking of the photographs.)

Fig. 1: Flakes in bion water which had been frozen and thawed out.
Fig. 2: Edge of flake magnified 296 times; both fibrous network and "spores" are clearly visible.

Fig. 3: This picture was taken to show up the "spores" at the expense of the background fibrous network; some "spores" are divided into two. 296x
Fig. 4: Nests of "spores," some in division. 592x

Fig. 5: Dividing "spore" with central nucleus. 3200x
Fig. 6: Two "spores," one split three ways. 3200x

Fig. 7: "Spores," each with a nucleus. 3200x.
Fig. 8: Flake in process of bionous disintegration. 996x.

Fig. 9: Flake in a more advanced state of bionous disintegration than in Fig. 8. Some of the spores have disintegrated into heaps of bions. In other places, only the fibrous supports around the spores are visible, the "spores" themselves being empty. 592x.
Fig. 10: "Spore" with two tracks leading to it. 1184x.

Fig. 11: "Spores" with tracks leading to them. This preparation was allowed to dry before the picture was taken. 592x.
ROCKY ROAD TOWARD FUNCTIONALISM

BY ROBERT A. McCULLOUGH

Editorial Note:

The author of the following paper may appear to some readers as if he exaggerated his shortcomings. He is not exaggerating the points he makes. They are typical reactions of newcomers to Orgonometry. The author differs basically from the rank and file scientific worker in his great ability in self-control. HE IS A GOOD LEARNER. Being a learner, he is, therefore, a good teacher of scientific method. What he is trying to convey in his paper is basically this:

If you assume that the material atom particle is the basic unit of the universe, including life, then you are also correct in assuming that the chemical compounds you find in a specific disease are building stones of that particular disease.

However, you are fundamentally wrong in concluding that it is conclusively shown that all subjects of chemistry are secondary products of primary mass-free energy functions in the living organism. The chemical compound one may find in schizophrenia or cancer is not its "cause" or "sources of existence"; it is merely a by-product of the disease process. As a by-product it may also contribute secondarily to the development of the disease picture.

Artherosclerosis, for example, shows hard deposits in the walls of the blood-vessels. But these deposits are not the cause

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of arteriosclerosis. It is one of its secondary characteristics. To understand the disease process "arteriosclerosis" we must learn to know what kind of dysfunction in the primal energy metabolism is responsible for the production of this deposit. Could it be that chronic contraction of blood-vessels will necessarily change certain mass-free PRE-ATOMIC OR FUNCTIONS—such as transforming bos into Melanor and then possibly into calcium mass? This opens the door for us to the functional, PRE-ATOMIC, bioenergetic aspect of disease.

The Editor.

I would like to put down on paper those events leading to my coming to Orgonon, my experiences here, character difficulties encountered, mistakes made, where structure proved to be a major obstacle, and what I've learned and contributed. There are several reasons for doing this. One is to point out the difficulties encountered in such a transformation and thereby help and guide others who will travel the same road. The pitfalls are many and any that can be avoided should be bypassed.

I first became acquainted with orgone biophysics in 1949 with the reading of The Function of the Orgasm and The Cancer Biopathy. It was quite obvious to me that the whole field of biology was wide open for drastic revision as a result of this work, if it were true. To determine for myself whether or not it was true, I tried repeating the various experiments. Although limited in time, funds, and equipment, every experiment that I tried verified those published. These included various experiments with bion-water-charged and accumulator-charged seeds. Both gave increased germination rates and decreased susceptibility to fungus over non-charged controls. A home-made electroscope showed the daily and hourly discharge variations. The orgone radiation from a tube box could be plainly felt on the eyes. Photographs I took of earth bions checked with those published. The pulsation of an earth and iron ball suspended near an iron sphere was demonstrated. Various aspects of Experiment XX were repeated, as were other similar experiments.

When the work for my Master's thesis took me out on the desert of northwestern Utah, I observed that the orgone energy flow, which was very prominent there, was not west to east as reported by WR, but predominately southeast to northwest. I also observed that this direction was constantly changing. I kept exact records of these changes.
and sent them to WR. I thought that as metal first attracts and then repulses or energy, a light metal vane on a pivot would either line up with the on flow or stay at right angles to it, in either case giving an easier means of checking the on flow direction. I did find a queer anomalous erratic movement and a peculiar oscillation. I found some glass bottles that had turned blue in the desert sun. I happened to be in a location where I could gather data and thereby help the total work along. I expected no reward; I just wanted to help.

The fact that some of my letters weren’t answered hurt, but had no gross effect on my attitude. I knew that the orgone theory was valid, and I trusted my own observations. That was enough. I knew now why some of my later letters weren’t answered. For one thing, I had described the on flow in a very mechanistic manner, recording changes by minutes, and putting the behavior of the aluminum vane above the on flow. This latter was a clear case of ego involvement. The lawful behavior was lost in the mass of data, to me as well as to WR.

With my thesis completed, I had offers of two jobs, one in New Hampshire and the other in Louisiana. I chose New Hampshire for two reasons: 1) it was closer to Orgonon, and 2) it had a more desirable climate than the coastal marshes of Louisiana. Arriving in Concord in June, 1951, I was assigned to work in the Wentworth Location area just 80 miles from Orgonon. I made several trips to Orgonon that summer to inquire about character restructurization which was then required for all workers in the field, to get an accumulator, etc. I wanted to get training in this field because all other fields had largely lost their significance to me since I became aware of or biophysics. I continued with my work in wildlife management, at the same time observing and reporting orgone phenomena wherever I encountered them. I made a little study of peculiar dead areas on the surfaces of ponds and rivers. I reported these as well as an observation on the complete reversal of terrestrial magnetic polarity in the ORANUK field.

After I moved south and began to work at the University of New Hampshire, I continued experimenting and reporting observations. The experiments included making my own on field meter, large organoscope, etc. I reported such observations as the jamming effect on gm counters of fluorescent lights and flames, melanon in fish, occurrence of orite on brick, etc. I worked all day in the lab and all evening studying orgonomy. I offered to do some chemical investigative work on melanon, which I did.

To summarize my background to this point where I moved to Orgonon: I had a wide, rather than specialized, general academic biological training. I had a thorough background in ergonomics literature and a personal acquaintance with many natural or functions. I was intensely interested in the work and it constantly occupied my attention. However, I was still completely entangled in a "mass" orientation and a mechanistic methodology. The former tended to keep me from the heart of my observations, while the latter kept me from integrating the various observed functions. As a result, it was impossible for me to function independently in this work. This was not apparent to me at that time.

When I first arrived at Orgonon, I was cocky. I would disregard warnings and let myself get over-exposed to the radiation. I was somehow trying to prove to myself the actuality of ORANUK. Somewhere inside of me was a little voice that kept saying, "Maybe it's a hoax, a colossal stupendous hoax. Perhaps or energy doesn't even exist. Prove that it does." I kept shoving this to the back of my mind. That was a mistake. I should have brought it out into the open, looked at it and seen it for what it was. Instead I kept trying to prove it. It was irrational character structure and no amount of proof could ever silence it. It seemed to thrive on proof. It could explain away any proof. This continual proving to myself in an ORANUK field was extremely dangerous; I'd become quite ill, my cerebral glands would swell up, and I would suffer from severe anxiety. In addition to over-exposure, it allowed a certain disregard to enter my work concerning the handling of highly energetic substances: they just had this and that chemical composition.

From a mass point of view, the ashing of non-explosive materials is a standard everyday technique. I had done hundreds of ashings. From an energetic point of view, however, the subjecting of substances to the excitation of 1000° C. is not something to be done lightly. In late August, I ashed several decigrams of highly energetic or substances in my garage, to see what the ash looks like! Before the furnace had even reached full operating temperature, I was forced to turn it off due to a severe organismic reaction. A miniature ORANUK reaction had been triggered off. Three days later, the GM count around the garage was 760 CPR and inside the nearby house it was 90 CPR. My family and I had to live in the car for nearly two weeks, and when we finally did re-enter the house it was done quite gingerly and with the ever-present fear that the house was ruined for good. This gave us a taste
of what WR and the others had gone through in the oranur experiment, and well served to knock the cockiness out of me. It made me much more humble, respectful, and careful in regard to the work. It also showed that the indiscriminate use of mechanistic techniques in organomy was highly dangerous and fruitless. The functional approach was a necessity. This approach was slowly learned from WR, amid many similar errors. I have always had a tendency to try various things at random, to see what would happen, with no planned-out reason for so doing. This approach is wrong and could easily prove fatal in organomy. One should know exactly why he does what he does for several reasons: 1) the danger listed above; 2) to avoid losing one's head among the infinite variations; 3) to know and anticipate how one's own structure colors the experimental setup.

When I first came to Organon I was greatly at a loss as to just where to dig in functionally. Just how to go about it. WR was very helpful and patient. My first project was to investigate melanor (Me), brownite (Br) and orite (Or) chemically. Although I had had some training in chemistry, I did not consider myself a chemist. Therefore, I had an initial lack of confidence in myself. This was coupled to the fact, established by WR, that these substances were of a very basic nature, pre-atomic, underneath the chemistry of molecules. They had chemical attributes but were not chemical compounds. Where did the one begin and the other end? Was this an error in my technique; or was it something new due to the pre-atomic nature of the substance? How valid were chemical techniques when applied to these substances? Did the pre-atomic nature alter the reactions? All this tended to take away the feeling of solid footing and left one swimming on his own. There was no security. Instead of letting go and swimming, I tended to hang onto anything that appeared "solid" to me. Intelectually I was aware of the state of flux and the need to wholly let go and swim. Yet I continued to hold onto a solid mass concept like a leech, whereas all functions I encountered were shown to be fluid. I wanted to let go, and at the same time I resisted letting go. It was a continual fight against structure all the way. Whenever I got close to energy (E) changing to mass (M) or M changing to E, I would jump back and hang onto M for dear life. I could hold a rock in my hand, see it, feel it, taste it, measure it; it was real to me. Yet E was also in my hand. I could see it, feel it, taste it and measure it. The difference, although not apparent, was very real.

IN A STATE OF FLUX

I seemed to give to organomy all that which mechanistic science could not or would not explain; but where they had a seemingly reasonable explanation, that is the place where my structure grabbed onto and refused to budge.

One of these points was color. Color is a very important function in organomy. In mechanistic science it is only an attribute of mass, not a function. I kept refusing to give color its just due. When WR discovered Ore (oren), he said of the yellowish-red precipitate, "There is the CFF of Melanor and Orite." I couldn't see it. Why was he so sure of it? Might it not be just a complex nitrate, a chromate or some other colored ion? Why was color so important? It took quite a while for it to finally dawn on me that color was a function of energy and not of mass. A rock then wasn't red or white, but the ore energy in it was in a state of red or white. It meant a big step forward for me when a rock lost its color; it also lost much of its mass primacy. With the aid of this initial wedge, other mass attributes came to be recognized for what they were, energy functions. These included weight, hardness, luster, form, cleavage, etc. They all yielded relatively easily following the initial insight into color.

As the months passed I found myself changing drastically in some respects; hardly perceptible were changes in other ways. First there was the gradual, and at times abrupt, realization that I wasn't a biologist. I felt as if I didn't know anything about biology. This feeling continued until I reached the state where I wondered just what was I and just what did I know. I didn't seem to be or know anything. I felt I was nothing. Everything was fluid, in a state of flux. All values were changing. The whole solid comfortable world I'd known was dissolving. Still, it was to be expected. Current biology is a study of life from a mass concept and excludes the Life Energy (WR). Mass is a little corner in a seething cosmos of energy, like a ship on an ocean. When that ship sinks from under one, he feels lost in the immensity. He has to swim. I swam. The road up from this fluid state was very slow; but the results were gratifying. I think that this loss of rigid compensating ego is a very important sign of the dissolution of mechanistic structure.

WR didn't cause the initial dissolution of my ego; the work and oranur did that. But he did give me the hand and foot holds and landmarks whereby I could climb out. WR taught me a great many things, too many really to enumerate; but some of the more impor-
tant ones follow: he taught me to open my eyes, to look and to see, to see Nature as it really is. I was shocked to find out just how poor an observer I had been. He taught me to make very sharp distinctions between facts and theories about facts. He taught me method. How to proceed from the variations toward the more basic CFP without getting lost in the infinite detailed variations. How to have a framework made in which to catch facts as they came streaming in, and how to store these facts until at some future date they would fall into place by themselves. How to avoid trying to force Nature, but to go along with her, to follow her moods. How to keep an overall view of everything because in cosmic work every new fact is naturally of cosmic dimensions. Basic functions function in all realms of nature.

WR showed me that chemical techniques were perfectly valid when applied in the field of chemistry, but were invalid when applied to more basic or pre-atomic phenomena. He showed me by example of rules of personal safety that this world could well emulate. He taught me personal responsibility and rules of scientific integrity well above those taught in college. He demonstrated how to keep exact and accurate protocols. He taught me to be open, above-board and truthful in all things. Perfect candor is a necessity in this field, not only with others but with yourself. I learned and am learning to be humble, patient and true.

Even with WR's training on these major points, I had great difficulty in transposing these thoughts and facts to structural changes in myself. Whenever any specific insight was given on a subject, that was it, final. No questions. Perfect. Yet there wasn't any intellectual chain reaction. Insights into one field did not carry over into other fields on their own momentum. Each individual field had to be laboriously opened up and worked through. Nothing came easily. If the fields weren't diligently searched for and opened up, they remained hidden and distorted. When finally, much later, an accident would bring them to light, I would be amazed and shocked that I had not thought of it before. It was so obvious. I think in one field at a time, although well aware that there are no natural boundaries or barriers between fields. It is slowly working out.

Thus when I came to Orkoon I brought with me a whole trunk full of academic facts and theories, all mixed up together. The theories, built as they were on the primacy of mass, were largely incomplete, misleading, or downright wrong. A major job was to separate the facts from these theories in my structure, "prejudice." This left a mass of unconnected facts. The road now is to absorb and apply these facts into the functional framework given me by WR. I have asked myself, while writing this, just what do I owe to WR of what I am now. He is a very good teacher. I often feel that he is responsible for just about everything except the pile of dehierized facts. Certainly I owe him for the interconnections, functional framework, cosmic view, method, and the growing pile of discarded theories. It is a hard road to functional thinking and one of the first steps is the loss of a lot of false ego.

The dissolution of mass-oriented character structure is not an easy thing. For 32 years I have lived in and been a part of a culture and science built up entirely upon the primacy of mass. One doesn't laugh that off easily. That was very obvious the time that WR discovered white orene (Oe). I would have passed right by it, explaining it away. I tried to do just that. Oh, how I tried! It was quite a shaking experience, and should be recounted here in some detail so that others will be able to recognize and avoid such major pitfalls on the road to functional thinking. I well knew the chemical attributes of sodium hydroxide (NaOH), its nature, behavior, production, etc. When WR observed the development of Oe above the surface of the NaOH solution, he said it was energy coming down from the atmosphere and creating mass, E changing to M. The formation of mass from primordial energy right before our eyes! I must have recoiled from the intensity of it, for I thought, "Why, that's only NaOH that got there above the liquid somehow." How did it get there? I didn't know, but it was only NaOH to me. This substance, Oe, was found to have many biological attributes, including: repetition of Experiment 6, basic biological forms, growth, lumination, high energy radiation, mortality, and water and oxygen hunger. It didn't make any difference. They were only hitherto unknown attributes of NaOH. Of course, they were. It couldn't be E \neq M.

In the meantime, the bathing water, black for months from Me in the air, became colorless almost immediately, the buildings could be used for hours where previously five minutes was the usual limit, the sour taste and odor disappeared from the observatory, all indicating the reduction in energy level. Even so, to me, it was still NaOH and not E \neq M. This in spite of the fact also that I was well acquainted with Oe in various natural situations, on rocks, bricks and glass. In spite of all this evidence, proof, I recoiled from it and tried to explain
it away. I tested it. It was basic (OH) and gave a yellow flame (Na), thus, NaOH. I also found oxalate and carbonate and smelled cyanide (CN). Where did they come from? Impurities in the NaOH. I continued thus for two days. I thought I was right and WR was wrong. I was the chemist, the authority on the subject. I was being scientific and WR was being unscientific. I knew just how and why I was right. It was so obvious. When the subject was finally broached, WR told me I was acting very irrationally. This really surprised me. I thought I was being quite logical and rational. In writing up this incident into my protocol, I elucidated my reasons for knowing it was NaOH and not Oe. To my utmost surprise, I found that these reasons were absolutely absurd, silly, lacking in logic, cohesiveness, rationality and common sense. This revelation was a very shaking experience to me.

This brought to light a major problem: Emotional Plague (EP). Here was an able researcher who had been working well in the field who suddenly babbles some incohesive mechanistic hogwash, says that the whole thing is false, and refuses to go any further. It wasn't a superficial thing, but something very deep. For even after seeing my irrationality, I had the devil's own time working it out. There are still scars.

This only goes to show that irrational criticism of orgonomy can be sincerely thought rational by the utterer. I know now how easy it would have been to leave, tell everyone that WR was crazy, unscientific, a charlatan, a mystic, etc. It would have been awfully easy to have done just that. It undoubtedly has occurred in the past. It frightens one to think how grossly his structure can distort the truth, unknownst to him; nay, even with his thinking that he is the exponent of truth. One comes across descriptions of occurrences like this in the writings of WR, but you really have to experience it yourself to know what a dangerous and deadly thing it is. Subsequently, whenever I become aware of feelings of superiority, I study myself with the greatest suspicion. I have seen my irreligious armor and a healthy mistrust has been engendered. One has to be continuously on his guard against such distortions and avoidances caused by his armor. They keep cropping up.

One rather insidious way in which the armor manifests itself in basic research, is in the disregard of life in the laboratory. WR taught me to keep a life orientation uppermost in all procedures. Before starting an experiment, or in changing conditions of one already in prog-

LIFE ORIENTATION

ress. I should ask myself how I, myself, would react to those new conditions such as: being deprived of water or oxygen, put in a refrigerator, boiled, etc., and then to design experiments with life energy accordingly. I persistently fell into this type of error, that life could be studied under the conditions of death. It seemed to appear as an unconscious hatred of life. This error is quite common in such fields as bacteriology and chemistry. Life experimenters ignore life conditions (WR).

Once I wanted to supply simple organic building blocks for a life preparation. Simple sugars can be polymerized from formaldehyde, an extremely simple organic compound. So I used formaldehyde, forgetting that it killed life. Many chemical techniques require that the substance be first put into solution. This is fine from a chemical standpoint, but life drowns in such a state. I tended to use distilled water a lot until WR pointed out that distilled water doesn't occur in nature. I've since used sterile tap water except in the strictly chemical field. Wanting to obtain a life potential substance from an acid solution, I precipitated it by making it basic, forgetting that life is neither acidic nor basic but about neutral, as is well shown by the pH. In this neutralization, I would use either ammonium or sodium hydroxide, forgetting that the ammonia is a result of a protein decay process and thus further from life than the sodium base. In using sodium chloride I persisted in using saturated solutions rather than physiological concentrations, "The stronger the better." Even recently WR found where I had stored some living Oe in sealed vials in the refrigerator. Slowly I am getting to the point where I often anticipate this mechanistic block on my part.

In a similar vein, I would have interfered with nature and then expected her to carry on as if I hadn't. In checking on the genesis of sulphur, I suggested putting in an indicator and watching for the change. WR pointed out that the presence of the indicator would alter the entire situation. Instead he suggested making a number of identical vials and testing one of these each day until sulphur appeared. It is in the handling of such situations that the mechanistically-oriented scientist will encounter some of his greatest difficulties.

During my engagement at Orgonon, among other things, Oe, atmospheric Oe, Or, and Et were discovered. They were discovered by WR. I often felt that, rather than assisting in these discoveries, I was actually a drag. I know I was at times. I discovered various things myself, but they were few in number that I could integrate into the total whole.
At the time of this writing, I find that I am doing much better in the process of integration. I knew the significance when I found the first mobile proto-metazon. And even more important, instead of running with shock, I was intensely thrilled.

TABLE OF EVENTS, DOR-EMERGENCY, 1954-1955

By William Steig*

The following calendar of news headlines was made mostly from two newspapers (the N.Y. Times and the Newark Star-Ledger) in the period from September 17 to December 31, 1954. On September 17 I read that there had been a Soviet nuclear blast test and that a series of such tests was apparently to continue. I decided to collect for a while news items that reflected the box environment. Russia gave out no reports and I don’t know how long the blasts continued. (It doesn’t make too much difference. box has been a feature of our life for several years now and is ever-present in varying degrees.) There were also space ship sightings in this period.

I collected mostly items reporting weather, and violence among people. Anyone who was reading newspapers several years ago knows that though there have always been storms, tornadoses, etc., and violence among people, it is nothing compared to what takes place today. There was an unusual number of reports of airplane accidents in this period, which I did not collect. Also when the weather got cooler, there were continuous reports of fires started by “faulty” kerosene stoves. It was not until such reports had been appearing for a month that I realized that the explosions of, and fires started by, kerosene stoves were also surely connected with the highly irritated atmosphere of our planet. The box environment qualifies all events.

Sept. 17 REDS EXPLODE NEW A-WEAPON; ‘To Study Battle Effect’...
AEC said these appeared to be part of a series of tests... – Pope Pius Suffers Ailment Recurrence

* Artist, Cream Ridge, N. J.
Sept. 19 'Flying Cigar' Startles Romans — Storm Loss 100 Million (hurricanes Carol & Edna)

Sept. 21 Freakish Tornado Hits Upstate (N.Y.) — Dixie Tornado Rips School, 3 Pupils Hurt — No Bumper Crop for Soviet Seen — Fear of Damage Reported Putting off Super H-Bomb Test — 14 Persons Are Slain in Morocco in Week. . . . outbreak of terrorist assassinations. . . . Boy, 17, Slays Father With Shotgun Blast for Beating Mother

Sept. 23 Crime Increasing, FBI Report Says

Sept. 24 Prison Riot Ended with Deaths at 4

Sept. 26 Forest Fire, Three Dead as Flames Roar Towards Rocket Plant; Winds Whip ‘Incredibly’ Fast Blaze — Kills Wife Who ‘Cried All Night’ Over Failure to Bear Second Child — A-Test Series Set Early in ’55


Sept. 28 There’s a Ball of Fire Loose in Oklahoma. . . . a mysterious ball of fire that ‘darts up and down at the stroke of midnight’. . . . Teen-Age Male Sitters Held in Fatal Beating of Baby, Infant ‘Wouldn’t Stand Up’ — Police Shot Kills Boy in Car Chase — Caprices of Carol Defied Forecasts, Hurricane Still in Dispute, Experts Disagree on Role of Weather Bureau Economics — Quake in Japan

Sept. 30 ‘Saucer’ Men Want Lid Lifted — Drought Aid Widened — Fog Comes in on Little Spiked Shoes — Airlift to Relieve Honduran Flood — Murder Laid to Convicts, Six Charged as Result of Riot in Missouri Prison


Oct. 3 Boy Seized as Killer of Woman, 72 — 4 Mile Strip of Canada Sinks — Boy, 15, Slain by Another in Brooklyn Snubbing Feud — 25 at Parade Faint in October’s Steam


Oct. 5 Berserk 52 Year Old Mother Kills 2 Sons, Husband, Self — Weather Man Promises End of Hot Spell Today — July-in-October weather that has plagued New York — Red H-Bomb Called Bigger

Oct. 6 Boy Held in Killing of Man, 67 — Navy Thinks Wife Slept Own Tots

Oct. 7 Michigan Prison Guards Strike — Radioactive Fish Increase

Oct. 8 Floods Leave 3 Dead in New Mexico Valley — Gulf States Threatened by New Hurricane — Smog in Hollywood — Topcoat Weather Endangers Crops, Mercury Sets Low for Date — Boys Admit Tossing Tomatoes at Ives — Motley, nationally known speaker on civic and business affairs, said the current trend for the average citizen is to feel he can’t accomplish anything, "so he remains quiet"

Oct. 9 Giant Hazel Roaring in Caribbean — Kills Wife He Thought Unfaithful, Rigs Gun to End His Own Life — Jail Student in Attack on Secretary — 20 Union Men in Wild Tavern Brawl — Flu Jolts Marilyn — Believe Fall Killed Youth on Drinking Spree — Cops Nab 4 Youths After Tossing of Road Flares — Voodoo Killer Slays Three in Fear of Spirits — Pallbearer, 18, Admits Slaying Sitter and Boy

Oct. 10 Ship Capsizes, Sinks in Storm (off Virginia) — 4 on Fishing Boat Lost (squall off Sardinia) — U.S. Army Aids Honduras Flood Victims — Grady Norton Dead; Meteorologist. . . died of stroke. . . . discovered way to track hurricanes. . . .

Oct. 11 Record Rains Flood Chicago, 9 Perish, Hundreds Flee — Hunt Ends for 25 Lost on Freightier. . . vessel capsized and sank in storm-tossed Atlantic. . . .

Oct. 12 Hazel Veers, Aims Fury at Haiti — Tornado Rips Auction Barn (Indiana) — Dakota Convicts Riot — hospital attendants said two of the six taken to hospital had heart-attacks. . . . — Quake in Italy — Chicago Pelted by New Rains — 3 Seized in Bar Brawl — Butcher Knife in Holdup Fight — Girl slashes Another in School Fight — Ringleader Guilty in Bar Free-For-All. . . . brawl involving forty people. . . . Chicago Begins to Bail Out. . . . new rains add to near-record
deluge — Italian Ship Hunt Goes On... crew of eight feared lost in last week's sudden storm

Oct. 13 Record 85.2 Marks Holiday Here – Cons Quit Prison Riot After Hair Tonic Binge

Oct. 14 Hurricane Smashes Haiti Cities, Casualties Heavy – Flood Fighters Keep Eye Out for Looters (Indiana)

Oct. 15 Hazel Could Strike Today if She Stays on Course, Jersey Coast Now in Path – Rains Pelt Chicago Again – Storm Rips Stockholm – Porto Rico Flood Toll Rises – Haiti Toll Set at 200 – Flood Recedes in Indiana... rains again forecast... Hazel Giving the Air to 3-Day Record Heat

Oct. 16 Hurricane Edge Whips City Area with Gale, Rains, 100 Mile Blasts – Delaware Shore Pounded by Wind – Norfolk Hard Hit by Edge of Storm – Capital Battled by Record Floods, Potomac Overflows – Los Angeles Smog in 9th Day; 1 Dead... worst in a year... – Cold Front Sweeps East Too Late to Stall Hazel – New 'Dust Bowls' Fears by M'Kay

Oct. 17 Hurricane's Toll Increases to 105; Toronto Ravaged – Ohio River Flood Routs Thousands – 11 Drowned in Borneo Flood – The Dust Still Blows (Times Editorial) – Smog and Ire Fill Los Angeles Air... periodic sieges of smog that have afflicted Los Angeles since World War II... – Says Flood Hit 9 China Provinces

Oct. 18 Police Probe Fatal Brawl – Strong Temblor Reported on Coast – Stabber Says Victim Was Dating Wife – Cops Find Girl, 14, in a Daze – 4 Mississippi Felons Hunted... escaped from state mental hospital... – Hardened Veteran of Crime Arrested; He's 8 Years Old

Oct. 19 Saucers Fly Again. In Italy and in France – 7 Youths Beat Up 2 Naval Officers

Oct. 20 Floods in North Britain, Two Big Towns Cut Off, Many Villages Struck Hard – Farmer Kills Five in Family, then Himself – New Disaster Areas – parts of Utah and Nevada... drought disaster areas...

Oct. 22 Costa Rica Floods Grow

Oct. 23 'Hothead' Con Sets off New Riot in Missouri Pen – Los Angeles Smog Moves Governor to Ask Test Shutdown of Oil Refineries – Kills Himself in Front of Wife, Boss

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Oct. 24 Mars Termed 'Alive', Astronomer Cites Blue-Green Markings as Evidence


Oct. 26 Winds Ease Coast Smog – New Uproot in Prison... 3rd riot in four days...

Oct. 27 Fog Dispellers Tested, Inconclusive Results Listed by Turnpike Authorities – Death Toll High in Italian Floods, Salerno Populace Caught Asleep – 2 Teenagers Held in Rash of Robberies – Gale Delaying Liner with Queen Mother – Manslaughter is Charge in Shooting (shooting by 18 year old) – SERIES OF ATOM TESTS SINCE SEPT. 15 BARED BY U.S. (Soviet tests)

Oct. 28 500 Feared Dead in Salerno Flood – Ottawa Rainfall Radioactive

Oct. 29 Storm on Atlantic is Delaying Liners

Oct. 31 Europe Flood Aid by U.S. $8,585,000 – 74, Kills Bride, 70, Self – Six Escape Death Cells; Recaptured (Trenton)... when the men were told to return to their cells they bant... that they were just going out for some fresh air... Mailman Kills Wife and Stepson

Nov. 1 More Radioactive Rain in Japan – 10 Inch Snow Falls Upstate – Formosa Due for Big Blow – 'Hot Rain' Hints Red H-Bombs

Nov. 2 Cripple Slays Wife, 3 Kids, Tries Suicide – Vermont Fugitives Caught – Girl's Slaying Admitted, Youth Confesses – 2 Scientists Favor A-Bomb Test Curb

Nov. 3 Smog Blankets London – Hurricane Levels Carolina Buildings – Two Earthquakes Recorded... Dutch East Indies and another in an indeterminate direction... – Landslide Kills 30 (Colombia) – Mother Held in Infant's Death – Churchill Says Radiation May Linger 5000 Years – Son Says Mom Paid him to Kill Dad, But he Lost Nerve

Nov. 5 Four Die as Freak Wave Hits Red Vessel (off England) – Hotter Summers Kill Birch Trees
Nov. 7 Boy, 15, Accused of Girl's Murder — Radioactive Fallout Now Far Below Danger Point — Mental Patient Admits Rape-Slaying of Nurse (18 year old boy) — Menace of 'Fallout' Has Increased — Six British Convicts Escape

Nov. 8 Tear Gas Halts Teen Mob Stoning Jail — Tornado Kills 5 Portuguese — Destroyer Defies Typhoon, Takes a Beating But Wins — 3 Teen Boys Killed in 'Dare' Car Race

Nov. 9 Typhoon Rips Philippine — Okinawa Riot Studied, U.S. Checks for Red Link to Convicts' Protest — Sailor Faces Murder Rap in Gas Death of Wife and Child

Nov. 10 Einstein Says He'd Rather Be a Plumber — "I would rather be a plumber or peddler in hope to find that modest degree of independence still available under present circumstances" — Pigeons Killed in Bizarre Game, arrested on charges of selling firecrackers to juveniles who used them in bizarre game in which they blew the heads off pigeons

Nov. 11 Italy Buzzing About Low-Buzzing Saucers — 5 Day Prison Riot Ends (Okinawa) — Italian Skeptics Now Eat Words on Saucers

Nov. 12 Old Jail Cracks Mysteriously — huge blocks of stone were so carefully fitted that builders said they should have stood for hundreds of years — Three Slain, 2 Hurt in Family Quarrel

Nov. 13 Flood Waters Peril British Port City — The Drought Continues — drought in southeast continuing with increased severity — Hurricane Toll $112 Million (Carol, Dolly, Edna and Hazel) — Father Held in Scalding Son

Nov. 14 Galapagos Volcano Erupting — Youth, Man Held for Branding Girl — Crash Kills 2 in Teens — Philadelphia Puts Lid on Teen Gangs — Wolves Plague South Poland

Nov. 15 Mars Change Observed, Soviet Astronomers End Study of Planet, Uphold Life Theory — Kills Ex-Wife, Her Mother, Takes Own Life — Key West Home-Owners Bailing Out After 20 Inches of Rain in 18 Hours

Nov. 16 U.S. Wheat Rushed to Libyans (famine and drought) — Two Ships Disabled by Canadian Gales — Wolf Packs from Russia Destroying East Europe Cattle

Nov. 17 St. Nicholas Crypt Flooded — waves 45 feet high smashed over sea wall — Unexpected Rain and Wind Cleared Away Britain's First Winter Smog Yesterday — Cold Wave Strikes Italy — Hits Wife with Gun, Uses it to Kill Self

Nov. 18 Tornadoes Not Linked to Atom — Quake on Coast

Nov. 19 Hookey Frolic Ends in Stolen Car Crash — Okeefenee Dries Up — 'Wolf Pack' of Girls Beat 2 on Street — Killer Smogs Fail to Spur British to Clear Poisonous Air — Girl Says Dad Tried to Burn Her Alive

Nov. 20 Fog Wraps Coast From Maine To Maryland; Ships Groping Way, Many Planes Grounded — Jersey Drought Stirs Appeal — Fog Shuts London Airport — New Nevada Tests Will Be Held in Spring

Nov. 21 Fog Still Grips City Area, Snags Air and Sea Travel, Four Deaths in Jersey, Many Auto Wrecks Laid to Weather — Hero Slays 2 Women and Himself — Quake Jars Sicily — Peacemaker in a Cafeteria Fight Beaten to Death, 2 Youths Seized — 3 Die in Australian Floods — U.S. Flood Relief Reaches Nepal

Nov. 22 Rains Dispel Fog, Wind Chills City — Water Runs Low in Deep South, Farms, Towns in Alabama, Georgia, S. Carolina Hit by Lingering Drought

Nov. 23 Italian Cold Wave Causes 24 Deaths — H-Bomb Warning Given, World Danger Mark Reached French Physicist Writes — Youth Admits Killing Pal on Hunting Trip — Flu Hits 10,000 British Children — Devout Uncle Says He Loved Girl He Killed — Battles Mark Ration Dole in Drought Area (Oklahoma) — Berserk Man Dies After Beating Spree

Nov. 24 Throws Knife, Kills Husband — Atomic Dust Settles on Japanese Life — Mother's Lover Kills Her Little Girl

Nov. 25 Quake Stirs Up Sea Off Coast — 'One Boy Died Hungry' Cries Mom in Killing

Nov. 27 Smog Bathers Los Angeles

Nov. 28 Gale Smashes Ships, Batters Britain, Worst Storm in Years — Pope Has Hiccups Again — Drought Worries New Kansas Head — 2000 Smog Accidents in Los Angeles, Fog Holds Grip on Coast — Fog Over Hudson Valley

Nov. 29 Dr. Fermi Dies, Architect of A-Age (of cancer) — GI Pleading Insanity in Baby Slaying — Avalanche on Mt. Fuji Buries One, 15 Missing

Nov. 30 Toll up to 24 as New Gale Hits Britain — Blasts in Norwalk Laid to Four Youths — Storm Hits Hawaii — 300 Insane Riot in Trenton Prison
Dec. 1 303 Asylum Inmates Subside after Riot (Trenton) — Navy Man Lost in Gales (Newport) — British Ships Sunk; 24 Missing in Storm — Youth Gets 20 Years in Pistol Slaying of Florida Officer

Dec. 3 Cops Swarm Jail After Tip on Jailbreak (N.Y.)

Dec. 6 Battle to Save Crippled Ship with 9 Aboard ... gale-whipped North Sea ... — 3 Men Slain by Their Women in 3 Days — 1 Dead, 88 Injured as Dixie Tornadoes Slam Two States — 3 Duck Hunters Drowned in Stormy Lake (N.Y.) — 3 Perish As Storm Sweeps Germany — Iranian Governor Dies in Flash Flood — Wappening Falls Rests After ‘Shakes’ ... vibrations attributed to lack of air in water ...

Dec. 7 100 Tremors Rock Trinidad — Boy Shoots, Kills Girl ‘Tease’ — Rocks Fall at Niagara — 4 Jailbreakers Captured in Desert Mine (Las Vegas)

Dec. 8 Record Cold Snap Tightens Its Grip

Dec. 9 Fierce Gales Blast Britain and France for 3rd Time in Weeks — Tornado Adds Fury to Britain’s Storms ... rare visitation ... Girl Says Stepmother Blinded Her — thousands of fogbound starlings ... (England) — Berserk Toy Dealer Seized After Slaying Ex-Wife and Friend

Dec. 10 Air Force to Probe New ‘Flying Saucers’ Over Europe — Baby Beaten, Mother Held — Surging Floods Trap Thousands in Dublin; Storms Lash Europe — Shoots Wife, 3 Tots and Self to Death — Guilty of Slaying Husband

Dec. 12 Europe Storm Tolls 180 in Floods, Snow, Slides — Strong Quake in North Atlantic — Vesuvius Threat Indicated — Says Jealousy Made Him Kill Man and Wife in Florida

Dec. 13 4 German Felons Kill Warden, Flee — Youth Shot, Father Held

Dec. 15 Stepfather Grilled in Girl’s Torch Killing

Dec. 16 President Discounts ‘Saucers’ From Space — 2 Boys, 14, Admit N.Y. Store Killing

Dec. 17 Quake Rocks California; Desert Areas Hardest Hit — Flood Rips Sub From Dry Dock, 3 Lost, 31 Saved (England) — South Australia Shaken — World Ending Already Says Doom Professor

Dec. 18 Mother Tells Cops ‘I Killed my Baby’ as She Surrenders

Dec. 19 Sumatra Flood Toll 15 — President Orders Drought and Flood Aid for Farms — Mild Quake Hits Tokyo Area

Dec. 20 Light Over Earth at Night a Puzzle, Mysterious Glow Believed of Terrestrial Origin — Youth Admits Knifing Pal Who Died in Hospital — ‘Strange Desires’ Drive Teener to Club Matron to Death — Kills Wife, 3 Children With Hatchet — Ex-Lover Slain by Woman

Dec. 22 Fear 39 Lost on Two Ships in North Sea Gales ... winds up to 112 miles an hour ... — High Winds Strike Scotland ... winds up to 104 miles an hour ... — California Quake Rips City of 25,000

Dec. 24 Japs Still Furious at U.S. over H-Dust Toll — Youth Held Without Bail in Clifton Killing

Dec. 25 ‘Saucers’ Spotted in Shore Area (New Jersey)

Dec. 26 4 Swiss Killed by Avalanche

Dec. 27 Gale-Broken Ship Safe in Port with 21 (Germany) — 2 Teeners Held After Brawl

Dec. 28 Quake Hits Lipari Isles — Winds Lash California, Damage in Millions — Big Moscow Snow Keeps Crews Busy ... Moscow has been having weather that even the oldest residents consider unusual ... — Sunny Italy Wipes the Mud off its Face — Islands Off Sicily Rocked by Quakes — Dust Storm Danger Increases in U.S. — Rio Heat Wave in 4th Day — Europe Distributing American Flood Aid — 5 Teeners Picked up in Stolen Auto

Dec. 29 Australia Has Heat Wave — Children Safe in Swedish Slide — Colombian Landslide toll 47 — Sunny Cat Shivers at 36 Degrees — Lipari Island Quake Persists — Youth Tells of Fatal Horseplay — Record 60.4 Temperature Here is Linked to Mysterious Odor

Dec. 30 New Quakes on Lipari Isles — Wheat to Hungary relief of last summer’s flood victims ... Quakes Average, Experts Say — 9 Die in Air Crash as Storms Rip U.S. — Snow, Sleet, Tornadoes Kill 22, Trap Thousands ... Chicago experienced rare spectacle of lightning in snow

Dec. 31 Cold Wave Trails Big Winter Storm, Death Toll 57, Floods Threaten Pittsburgh Area, Quake Felt on Coast — Hubby Slain to Save Kids — Rabies Outbreak Spreads in West Europe; Called Most Serious in at Least a Century — Army Wife’s Guilt in Murder Sealed — Bad Polio Year Reported
Calendar of news headlines (mostly from the N.Y. Times and the Newark Star-Ledger) made during the Nevada nuclear blast tests of spring, 1955. Dates are the dates of publication, usually a day after the event. (Calendar is incomplete, does not cover entire period of the series of blasts.)

Feb. 27 40 Are Lost in Australian Floods; 40,000 in South Area Are Homeless
Feb. 28 Australian Toll Reaches 50 as Floods Spread — Slays Wife, Tries Death in 6-floor Leap
Mar. 1 Floods Ravage Aussie Towns; 70 Left Dead — Hawaiian Volcano, Dead for 115 Years, Spews Lava 20 Miles — last recalled activity in this area was 1840 ...
Mar. 2 Newsmen Soar into A-Cloud: Nothing to It ... 3rd atomic explosion of year ... — March Drags in with Soggy Feet, Mist Holds up Many Inbound Ships and Planes for Hours, Temperature Hits 60 — Rites Today for Vet Who Shot Mother — New Lava Path Burns Way to Sea as Hawaiians Flee — Family of 6 Found Shot Dead in Home — Governor Folsom's Sister Finds her Husband Shot Dead in Home
Mar. 3 Measles Cases Jump 5000 Percent (Newark) — Shy Boy, 14, Pleads in TV Killing of Sister
Mar. 4 Ohio River Flooding — Lava Spouts 200 Feet in 2nd Hawaii Quake — Miss Ann Moritz Dies of Rare Virus Infection — Flu Epidemic in Switzerland — Iceland Has New Fit of Quakes — Dust Bowl Looms in a 5-State Area
Mar. 5 Lava Stream Flows through Deserted Hawaiian Town — Family was Found Sitting Upright ... three brothers and a sister shot ... — U.S. Asks Briton to Nuclear Talks
Mar. 6 Ice Piles up Cars, Killing Two; Closes Bridges, Grounds Planes — Grazed Murderer Slain — Hundreds in 4 States Flee as Ohio River Overflows — 4 Children Drown in Flooded Creek (Kentucky) — Kilauea Erupts 6th Day; Excursions Fly Over
Mar. 7 'Big Shot' Today ... long awaited 'big shot' has been rescheduled for today on the Nevada proving grounds ... — Rising Ohio Flood Forces Hundreds of Families to Flee — Rain Slicked Roads; Four Killed in Crashes, Many Hurt; Fog Heights Travel Hazards — Volcano's Steam, Fire Peril Town (Pahoa, Hawaii) — 8 Flee Kentucky Prison — U.N. Urged to Sift Poisoning of Air by Atom Blasts, Scientists' Federation Wants Peril to Mankind Studied
Mar. 8 4th Nuclear Shot is Year's Biggest — Mamie in Bed with Touch of Flu — Francis Bushman Ill ... gastric hemorrhage — 52 Trapped in Storm, Autos and Buses Caught in Snow Near Rome — Grippe Breaks out on a Liner (arriving from Germany) — Joined Infant Sisters May Be Separated — Wide Area Flooded in Ohio Valley — Welker is Stricken, Senator Taken Ill in Capitol ... illness might have been caused by an influenza virus ...
Mar. 9 Britain Has Heavy Blizzard ... worst snowstorm in fifteen years ... — Ohio River Flood Crest is Rolling Closer to Crowded Cincinnati Area — Boy Slays Shopper to Get Her Car — Reds Say 3 H-Bombs Could Keyo Britain
Mar. 10 Influenza Kills 125 Germans ... epidemic is still spreading ... — 4 States Hit by Ohio Flood
Mar. 11 Atom Test Today — Windstorm Roars Eastward, Flattens School in Ohio — Plant Roof Blown off in Indiana Storm — Gales Lash Pittsburgh, Tornado Warning Out — Flockhart Stricken at Budget Hearing ... intestinal attack ... — Czech Actress Kills Self over Lost Love — Brooklyn Youth Stabbed in Row over Girl, 14 — Another Rockfall at Niagara Likely — Slew Mate — Army Hunts Chemical to Keep People Sane — 16 Year Old Youth Indicted for Murder in Harlem Slaying (shooting of 3 youths, one fatally, on Feb. 15) — Rare Blood Illness Hits 2 Civilians — Vandalism 'All in Fun' ... forty-eight boys ... explaining away some $50,000 malicious damage to a plant ... — Dakota Town Relies on Train for Water — Bad Dust Storm Blows in High Plains States ... worst dust storm of the year ... — New British Farm Aid ... agriculture adversely affected by bad weather ... — Children Drowned in Tub; Mother Held — Fever of Spring Infects the City, Warmest March 10 Since '79 — Flood Crest Rises Ohio River — Volcano Area Jarred by Hawaii Quakes
Mar. 12 Windstorms Batter the Midwest; Ohio Valley in Grip of Flood, Hard Hit, Twister Hits Indiana — Cold Front to Chase Away Those Balmly 60s, City's Radiation Count Rises — Blood Disease Spreads, Jersey Baby Dies of Infection Fatal to 2 Ft. Dix Soldiers — King Gustaf Has Cold
Mar. 13 Smog Tested as Shield Against Atom Fireball ... to test a theory that man-made smog can protect cities from the furnace heat of the nuclear explosion ... 7 Quakes Crack Hawaii Lava - Lake Titicaca at Flood Stage - Dust Bowl Hurt Again by Winds - 6 Are Held in Beating in TV Brawl - Sue of Universe Argued in Britain

Mar. 14 No A-Blast Test Today ... did not disclose reason for the decision ... Cop Kicked, Slugged by 2 Battling Brothers - Lava Fountains Die in Hawaii - Stabbed in Fight

Mar. 15 A-Test Ruin of N.J. Film Is Denied - 24 Feared Lost in Storm Mishaps, Liner's Lifeboat Capsizes Trying to Save Victims of Ship Sinking off Italy - Dad Held in Slaying of Girl, 19 - Illness Keeps Adenauer Home - Influenza - Queen Mother Has Influenza - Wind Whipped Flames rampaging forest fires near Foley, Florida, are fanned by high winds ... - Mental Exam Set for Ex-Cop Who Terrified Air Passengers - Vandals Smash Windows - Woman Beaten, Robbed in Park - Police Official on L.I. Kills Self

Mar. 16 A.E.C. Defers Atomic Shot ... weather conditions were unacceptable ... - Georgia Forests Are Still Affire - 3 Youths Accused in Holdup Killing - Reds Are Seen Behind Drive to Halt Atom Bomb Tests - Eden Is Ill with Influenza - Adenauer Still Too Ill to Work - President Bursitis - A.E.C. Denies Curbs on Medical Data, Disputes Doctors' Charges - Crops a Gamble in Spain, Farm Output Varies Sharply Because of Scarcity of Rain

Mar. 17 'Radioactivity High', N.J. Plant Signs Warn - Influenza Spreads in Canada - Radioactive rainfall, Japanese Meteorologist Lays it to Russian H-Bomb Blast - 4 Perish in City in Sudden Winds - Pakistan Wind Kills 10 - Quake Hits Las Vegas - Increase in Blind Set Record in '64

Mar. 18 Wind Blows Man 10 Stories to Death (N.Y.) - Multiple Limbed Frogs ... found in a farm pond in southern Ohio...


Mar. 20 Nuclear Test Is Put Off ... unfavorable weather ... - Filipino Amok, Kills 5 - Kansas Soil Going With Wind Again - Bombs and Weather, Last Summer's Explosions Had No Discrepable Effect

Mar. 21 Nuclear Blast Delayed Again ... unfavorable weather ... - Drought Imperils Colorado Wheat, Winds Beat Fields into Dust - Girl, 4 Youths Injured by Gang Attack - Boy, 13, Shot in Rifle 'Due' with Friend - 50 Patrons See an 'Old West' Killing in Saloon - Landslides Cut Power in Peru - 22 Saved as Lava Cuts Hawaii Road - Storm Topples Circus Tent; 100 Parents and Kids in Panic (Texas) - H-Tests Getting out of Hand, Scientist Says

(This past week there were reports on the radio of an eruption of Stromboli, earthquakes off the coast of Siberia, a recurrence of quakes in Hawaii.)

Mar. 22 Atom Shot Scheduled Today ... postponed seven times ... - Hail, Hail and Spring is Here ... cold rain mixed with pellets of ice ... - Senators Ask Dust Bowl Aid - "Snake", 19, Gets Life as Killer - Undersea Talk Held by Legislators ... aboard the atomic submarine Nautilus ... - Youth Shoots Cop with Birthday Gun - Boy, 8, Starts Church Blaze to 'Get Even' - 'Where Were the Cops' Mugged Youth Asks - 13 Below Greets Danish Spring - N.J. Votes Smog Study

Mar. 23 'Invasion' A-Bomb is Exploded - Chill to Follow Drip with Snow Flurries an Outside Chance - Frustrated MD Tells of Killing his Wife, 3 Kids; Firing Home - Ship Brawl Follows Row over Beans - Oklahoma ... worst wintry blast for the first day of spring in this state's history ... - Rain Sets a Record for Date Here and Ushers in Fog (N.Y.) - Death Toll at 24 in Spring Storms, Wide Midwest Area Lashed by Blizzards and Winds, Floods Rage in South, Tornado Hits in Pennsylvania

Mar. 24 Atomic 'Satchel' Set off in Nevada - Blustery Wind Blows in on the Heels of Freezing Weather - Baby's Death Laid To Virus - Roundup of Street Gangs Bags 8 Teeners in Stabbing, Beatings - 1954 Twisters Killed 37, 656 Tornadoes in in U.S. Caused $41,000,000 Damage - 3 Freed in 'Solved' Bronx Murder as 3 Other Youths Are Arrested - Warning on H-Bombs, Genetic Effects of Radiation Fears by British Physicist
Mar. 25 Special Kind of Cold Caused by New Virus
Mar. 26 Blizzard Hits Plains, Snow Sweeps into Midwest, Floods Plague South - Vast Ice Mass Jams Niagara River
Mar. 27 Spring Snow Rained out Here; Wintry Cold is Buffeting Nation - Menace to Humanity in a Prolonged Series of Atomic Bombs
Mar. 28 Mercury Hits Record Low - Winter's Return Kills 27, Fruit Crop Loss in the Millions - Gale Halts New Try to Blast Niagara Ice - 12 Convicts Stage Nebraska Revolt
Mar. 29 Quebec Snow Kills 5; Cars, Trains Buried - 9 Convicts Offer to End Rebellion (Nebraska) - Boy Gang Invades School, Attacks 2 - Kentucky Family Shot - Snow in East Stirs Drought Area Envy - 2 Teeners Attack Elevator Operator, 72 - Says He Slewed Mother - Spring Trend Thaws icy Blasts After Vast Loss Across Nation
Mar. 30 2 Atomic Blasts Set Off in Day - Train Snowbound with 150 Finally Freed in Canada - Brisbane Suburbs Flooded (Australia) - the flood is an aftermath of a cyclone that ravaged the South Queensland coast - 5 Drown off Maryland, Wind Believed to Have Swept Two Families from Boat - Hiroshima Blast Caused Smaller Heads, Eye Catarrhs - Nebraska Felons Still Holding Out
Mar. 31 Two Teeners Held in Gang Attack
Apr. 1 Dust Storm in Southwest Called All-time Worst
Apr. 2 170 Die, Thousands Homeless as Quake Rocks Philippines - City's 69.8 Warmest of Year - Rain Chills Palm Sunday Parade But Slows Forest Fires
Apr. 3 Quake Toll Rises to 352 in Philippines - worst quake of the century in the Philippines - 2 Ships Collide in Channel Fog (England) - Boy, 16, Slain on Sneak Date by Girl's Dad - Strauss Scouts Atomic Injuries, He Asserts No One Was Hurt by Radioactive Fallout from Nevada Tests
Apr. 5 Atom Test Postponed - weather conditions... - Winter Takes Paralyzing Curtain Call... violent spring blizzard in Rockies... eastern storms dumped up to 30 inches of snow in New England... - Australian Atom Range, Joint Tests With Britain to be Made in Desert
Apr. 6 3 Teen Boys Admit Paterson School Fire - Bergen Jail Keeper Critically Stricken... cerebral hemorrhage...

APRIL AND JULY, 1955

Apr. 7 Warplane Fires First Atomic Missile (Nevada) - Twisters Strike Texas, South Carolina; More Expected
Apr. 8 Brooklyn Boy Held After Robbing Bank - Aid for Dust Bowl; Eisenhower Allocs $5,000,000 for Relief in Seven States - Experts to Study Radiation Effect Upon All of Life - Pair Ignore Girl's Pleas to Halt Blows, Names 2 Boys After She Aids R.R. Detective
Apr. 9 Rise in Juvenile Arrests - Teeners Crash Auto in Game of 'Chicken'; 1 Dead, 3 Badly Hurt
Apr. 10 Britons Witness Atom Test in West - New Tremors Shake Mindanao
Apr. 11 Japanese Battle Flood - Stabbed by Muggers, Jobless Salesman, 22, Attacked by Teen-agers in Brooklyn
Apr. 12 New Shocks Hit Manila in Quake - Soviet Dismisses 2 Farm Directors, State Aides Ordered to Make Good for Cattle Losses Caused by Neglect; Cold Delays Sowing - Beaches Popular in 79.8 heat

(The following headlines were taken mostly from the N.Y. Times and the Newark Star Ledger, July 25th to October 18th, 1955.)

July 25 Rain, Wind, Haze Hold Heat to 86.6... 19th day this month the mercury has scaled to heights of 85 or more. - Irish Dance Erupts Into Riot, 16 Hurt - Saigon Phone Lines Bombed - terrorists blew up five telephone relay stations - Ontario Forest Fires at Peak - most of the new fires were caused by lightning and carelessness of smokers - 11 Major Crimes Listed for Every Hour in City (N.Y.) - Girl, 5, Found in Suitcase on Beach (Stockholm)
July 26 Those Not So Gay 90s Are Back Today... will continue sweltering through one of the hottest Julys on record
July 27 Heat in 90s Expected Today - Heat Soars up to 100 in Midwest - Drought Hurts Canada, Damage Put at $85,000,000 in Central Section - an attempt was made to induce rainfall by seeding clouds, but it failed because there were no clouds... - Badaglo Home Bombed - home-made bomb - Saigon Office Bombed - Mate Forces Wife to Lure Rival to Death - Three Injured as Stolen Car Piles up Autos - 11 Youths and $32,000 of Theft Loot Rounded Up - 4 Bars Shut Down - gambling, knife battles...
July 28 11th: Day Above 90 Sets a July Record — Quake Rocks Japanese Island — 3rd Gas Station Bombing Probed — Jailor Saves Prisoner in Death Try

July 29 4 Killed in Sudan Riot — 8 Slain in Indonesian Ambush — 24 Lost by French in Algeria Clash

July 30 Mercury at 122 in Tunisia ... temperature in Tunisia today rare even for North Africa ... Volcano Erupting in Guatemala ... Passaic Mobster Held as Wife Slayer ... Canadian Fire Loss Is Heavy ... 12 Die in Burma Crash ... 21 Hurt in Italian Rail Crash

Aug. 1 Mercury May Soar into 90s Again Today — Hundreds of Chilenos Flee Volcano’s Fury ... greatest catastrophe of this type ever witnessed in Chile ... Use of Hospitals Set Record in ’54 — 2 Young Mothers Killed in Car Crash, Nine Die in Weekend Highway Accidents — 500 Demonstrate in Singapore

Aug. 2 Mercury Touches 99 With No Relief Due, Crops Face Disaster — Net Saves Father in Death Leap — Frost Bites Brazil Coffee, Prices Going Up — Bombs Cut Saigon Rail Line — Flight into Space by 1970 Expected ... 42 Atomic Reactors Reported in World — Winds Rack Gulf Coast, Tropical Storm Loses Force, 7 Feared Dead or Missing

Aug. 3 97.5 is 1955 High; Heat to Continue About 100 in Some Areas ... Moroccan Slays Four ... Drug-crazed Moroccan Fatally Stabbed Four Persons ... Volcanoes Ruin Chilean Land ... Volcanoes that have been erupting for a week ... Better Off Dead, Moons Leaper Saved by Net ... Girl Kills Herself to End Triangle in Love Nest Bungalow ... Berserk Man Kills Attorney, Wounds Judge in Court ... Slayer of Wife Gets 25 Years

Aug. 4 Crop Loss Mounts ... Current Drought will Cost the State’s (N. Y.) Farmers Several Million Dollars ... Jersey May Get Nuclear Power Plant ... Two More Accused in Car Trunk Killing ... 4 Injured in Strike Violence ... 21 Polio Cases Set a Daily High Score (N. Y.) ... Largest since First of the Year ...

Aug. 5 City Bakes Again as Heat Hits 92.4 (N. Y.) ... Thermometer Tops 90 for 14th Time ... Mount Etna Erupts Anew ... Polio Cases at 684 in Massachusetts ... Hospital Still Short of Water as Newton Crisis Continues (N. J.) ... Weather Blamed for Bad Tempers

Aug. 6 Puerto Rico on Alert for Atlantic Hurricane (Connie) ... Drought Parches 5 Farm Counties (N. Y.), Rain Lacked for Weeks ... Drop is Reported in Water Levels ... Ground Water Levels are Generally Down in U. S. ... Situation Not as Bad as drought of 1954 ... Water Crisis Hits Scotland ... Drought Officially Proclaimed in Parts of Scotland Today ... Young Wife’s Body Hunted After Finding Her Bloody Clothes ... Hubby Slays Wife, Hurts Son, Kills Self ... “I’ll Kill the Kids,” Army Man Cries; Wife Killed Him ... Cooling Wave is on Way for Tomorrow

Aug. 7 City Heat 95.2, No Relief Seen for 2 More Days, 16th 90 Plus Day of Season; Promised Cool Air Missed City ... Hurricane Sidewipes Puerto Rico, Torrential Rains Lash San Juan ... Overboard in Gale He Swims 6 Miles ... Sudden Squall Swept Him into Lake Ontario ... The Drought ... New York ... Connecticut ... Millions Lost in Crops ... Twenty Killed in Cold Waves (Algeria) ... Crash Kills 10 G. Is ... Rain Eases Drought ... Farmers in Erie County (N. Y.) Scan Skies for More Relief from Three Dust-Dry Months ... Upstate ... Boston Asks Calm in Polio Outbreak, Officials Hope Drop in Cases Will Begin Next Week, July Sets a Record ... Northern Jersey Cries for Water

Aug. 8 Storms Lash City Ending Hot Spell; Cool Air Pours in, Lightning, Rain, and Wind Hit Erratically, Felling Trees, Wires, Swamping Boats; 2 Day Relief Forecast, After That Weather Will Depend Largely on Course of Hurricane Connie ... Belgium Pushes Nuclear Reactor ... Britain Exploits Atomic Market ... No Bail in Fatal Stabbing ... Slain Woman’s Body Found in Kansas ... 5 Youths Accused of Beating Two in Bar ... 3 Die as Wire Falls in Storm ... Lawyer Dies in Stabbing; To Quiz Wife ... Dancing Bout Ends in Death (stabbing) ... Mental Hospital Fugitives Hunted (Pa.) ... Floods Damage Southern Poland ... If Present Rainfall Continues, the Country May Face a Catastrophe ... Nehru Views Flood ... Flood-stricken Areas of Central India ... G. I. S. Use Gunboats to Quell Korea Riots

Aug. 9 Furious Hurricane Connie May Yet Strike U. S. at 155 M. P. H.
12 Feared Drowned by Undertow (Wasaga Beach, Ont.)

sudden high winds and whirlpools

Mother Killer

Tries to Commit Suicide

Bride of 3 Weeks Held in Fatal Stabbing

Client, 91, Kills Relief Director - Private Atom Plants Approved for Chicago and Detroit Areas

British Announce Gain in Reactors - Sicily Power Line Fails... first two cables snapped in violent windstorm July 26

Traffic Accidents Rise (N. Y.)

Aug. 10 Hurricane Connie Veers at Coast; New York Braced, 155 Mile Tempest Swirling off Arlington, N. C., 300 Miles from Hatteras - Police Balk Gang Fight - 5 Week English Drought Ends - 13 Die in Colombian Flood

Aug. 11 Hurricane Louie; City Has a Chance of Avoiding Blow, Storm Spins Like Mad Top off South Carolina, But Moves only 25 Miles - Mob Wrecks Italian Town Hall - Bay State Polio Tops 1000 Cases, Health Officials Declare "We are on the threshold of an epidemic"

Connie Shuns City and Hits South; New Storm, Alert Cancelled Here as Blow Buffets Carolina, Tempest Diane Growing in Tropics - Crisis in Czech Harvest, Prague Appeals to People to Help Reap Threatened Crops - damagings rains of the last three weeks - Three Held in Beating. Teen Age Boys are Identified by Victim in Hospital - Mount Etna Erupts Again - Time Bomb Found in Roxy Theatre - Half of Blast Victims in Ohio Are Unidentified - roaring explosion and fire at least 21 dead - tragedy struck last night during a severe thunderstorm - Jailbreak Foiled; Nab 3 Women (Jersey City)


Aug. 16 Diane Threatens South Carolina: Effect Here Still Unpredictable - British Foil Second Raid by Irish to Capture Arms - Pernoski Reported Foiling New Plot; 200 Are Arrested, Police Say Dissident Group Planned to Kill President and Military Leaders - Israel Reports Raid, Says Armed Egyptian Band Was Repelled in Negev - Prison Riot Quelled, Washington State Convicts Surrender, Free 10 Guards - Blind Man Kills Woman With Cane - Soggy Air Makes 82 Degrees Steamy, More of Same Today - Father Held as Cops Probe Son's Shooting - Princeton Man Hangs Self in Home - 20 Indians Killed in Goa March - several thousand 'non-violent' Indian nationalist demonstrators - Atom Scientists Warn of Peril to Race From Radiation Damage - Wife Dies in Plunge - Ex-con Hangs Self in Cell Waiting Assault Hearing

Aug. 17 Shift in Air Currents Putting Us in Hurricane Path, Experts Discover - India Mobs Riot Over Goa Deaths - Carolinas Brace for Diane's Punch - Drought Holds up Soviet Grain Plan, Krushchev's Two Gambles in Agriculture Thwarted by Unfavorable Weather - 14 Die in Iranian Train Crash - Bay State Polio Sets New Record, 136 Cases Reported in Day - State Ready to Use 2 New Wonder Drugs to Cure Mental Patients - Italian Firm Deals for Atom Reactor

Aug. 18 Diane Loses Force; Threat to City (N. Y.) Past - Escaping Radioactivity Invades Wild Life Around Hanford Plant, Survey Shows Pollution of the Columbia River by Atomic Chemicals - Insects, Birds, Fish and Animals Are Affected - Bay State Reports 95 New Polio Cases - Shotguns Break up Riot in Penitentiary (Lincoln, Neb.)

Riot in Prison (Framingham, Mass.) — Potomac Floods Move on Capital, Monuments Threatened as High Tides and Rain Push River over its Bank — New England Polio Deaths Hit 72 With Tapering Off in Sight — France Tries to Curb Riots in Morocco — Spurned Lover Kills Divorcee. Self in Clifton After Argument

Aug. 20 Floods Batter the Northeast; 56 Killed, Damage in Billions; 4 States Declare Emergencies, Rains Set Record — Japanese Floods Kill Nine — Sunny, Hot Today with High in 90s

Aug. 22 19th Day in 90s Ties the Mark for a Year — Flood Areas Face Huge Relief Task; Toll Rises to 181 — 800 Dead in Riots in Africa on Eve of Morocco Talk — Birth of a Lava Island Reported Off Honolulu — Submarine Volcano — French Strikers Riot (Albi, France) — Steel Workers — Convict Riot Quelled, Nebraska Prisoners Subdued After Starting Prison Fire — 3 French News Men Die ... Killed by terrorists in Morocco — Boy Admits Killing in Row Over a Girl — Son, 56, Shot, East Orange, Dad, 66, Held

Aug. 23 Mercury Misses 90 by a Fraction — French Open Talk with Moroccans; Riot Toll at 1000 — 17 Pupils Killed as Freight Train Hits Bus — Bavaria Plans Second Reactor — Bavaria to Have 3 Reactors — Boy, 13, Slays Mother — Navy to Build 4 Additional Atomic Subs — Quake Recorded Off Oregon Coast — 14 Die, 83 Hurt in Train Crash

Aug. 25 New Hurricane Edith Churns the Atlantic — Sudan Mutiny Gains; Popular Rising Seen — Red China Orders Grain Rationing — 40,000 Strike in Chile (government workers) — Yank Goes Wild, 3 Slaughtered in Hail of Bullets (England) — 2 Youths Attacked by Teen Gang

Aug. 26 Hurricane Edith Still Immature; Path of Storm Now 1000 Miles from Miami Not Yet Clear, Nor is its Strength — Connecticut Cities Close 7 Beaches — an increased bacterial count — Polio Cases Spurt in Massachusetts — eighty-one new cases — Cancer-stricken Boy Held as III Girl's Killer — Army Calls Flood Worst Since Noah — Williams Asks Hurricane Control Study — Rep. Williams of Westfield today announced he would call for the establishment of a joint Congressional committee to look into all aspects of hurricane control...

AUGUST—SEPTEMBER, 1955

Aug. 27 Edith Stalls Over Ocean 950 Miles from Coast — 1 Dies, 14 Hurt in Bus Crash — 7 Flee Reformatory in Ontario

Aug. 28 Hurricane Expected to Miss Coast, Northeastward Shift Forecast — State Prison Revolt Seen as Unplanned (Albany) — Famines and Uprisings Reported in Red China — Haiti is Ravaged by Major Famine, Thousands Suffer Malnutrition After Hurricane Hazel and Drought Ruin Crops — 2 Israelis Wounded in Negev Flare-Up — Indian Head-Hunters Kill 22

Aug. 29 Edith Veers Off U.S. — Gaza Fighting Snags Peace Prospects, Four Egyptians, Two Israelis Die in New Clash — Experts See Many Causes for Rash of Prison Riots — Strauss Denies Nuclear Plan Lag ... 29 Reactors Built in U.S. ... 21 Die in Hong Kong Flood ... sudden cloudburst ... Taipei Aids Typhoon Victims — Morocco Still Tense — Soviet Pins Hope on Farm Science — Boston is Hopeful of Polio Decline ... health officials maintained optimism despite reports of eleven new cases ... 6 Held in Teen Gang Shooting of Boy, 14 — Georgia Klan Burns Cross — Couple Nabbed for Murder Say Victim Made Pass at Wife — Charges Hubby Fired at Her with Shotgun — N.J. Weekend Traffic Deaths Rise to Seven — Indiana Oil Fire Routs Families to New Shelter — Power Failure Shocks Town (Monroe, La.) To Standstill, fire in the municipal power plant ... Blast Destroys Yacht, 8 Hurt ... exploded while refueling...

Aug. 30 Edith Heads into Ocean But at Greater Speed — 66 New Polio Cases Reported in Mass. — Youth Held in Beating of Girl, 15

Aug. 31 Youth Held in Beating of Woman, 84

Sept. 1 August Wettest and Hottest Too, 13.81 Inches of Rain Set New Record for Month Here — Israeli Army Raids Camp of Egyptians in Repulsion

Sept. 2 Dry Brush Fire Levels 50 West Coast Houses ... flames fanned by high wind whipped through a brush dried by a hot spell. A temperature of 110 degrees was recorded in Los Angeles — Queen Cancels Dance, Calls off Royal Ghillies Fete Because of Polio Outbreak (Scotland) — 6 Injured in Melee Over Jersey Strike (Teterboro) — Hysterical
Mother Drowns Crying Baby - Boy Gangster Held in Shooting - 6 Youths Accused of Torturing Man - Girl, 4, Dies After Spell of Coughing - died today after suffering a choking and coughing attack while riding in an automobile - 10 in Girl Drill Unit (teenagers) Beat up Teammate - 2,228 Died During Riots in Morocco

Sept. 3 Los Angeles Scorched by Third 100-Plus Day - the thermometer recorded 108 degrees, close to yesterday's record high of 110 degrees. At least seven deaths were attributed to the heat, while the unofficial count of prostrations near 100 - Mother of Three Dies in Clunge - Ruhr to Get Reactor - Prison Murder Riots Quelled (Baltimore)

Sept. 4 4th Day Over 100 in Los Angeles - the hottest heat wave in southern California history - Smog also returned today with light to moderate eye irritation - Moroccans Fear More Bloodshed, Nationalists Think Prospect for Peaceful Accord with French is Diminishing - Atomic Age Near, Latin Lands are Told; Report to U.N. Economic Unit Helpful on Nuclear Power - 7 Dead in Costa Rican Quake - Gaza Strip Blazes After 2-Day Cease-Fire - Javits Reports State's Dope Uses Is Increasing (N.Y.) - Five Youths Held in N.J. Holdup - Science In Review: Possibility of World Destruction by Atomic Explosion is Again Raised and Dismissed

Sept. 5 Heat Kills 15 on Coast, Mercury Over 100 Fifth Day, Los Angeles Toll up to 34 - Mounties Push Hunt for Suspected Killer of Five in Family - Boy Says Quarry Over Gun Led to his Fatal (shooting) Sprue - Patron Killed, Two Slashed in Tavern Brawl - Rains Hit Formosa dead at 18 as the result of heavy rains which began five days ago

Sept. 6 Los Angeles Less Hot, Temperature Goes to 99 After 5 Days of 100 Plus Weather - forest fires raging uncontrolled today over tens of thousands of acres of sun-dried timber in California and Oregon - Traffic Deaths Above 1954 Mark Near Holiday End - India Flood Needs Rise - continuing floods in India and East Pakistan have wrecked more than 28,000 villages - floods were among the worst in the history of Asia - Europeans Aroused by Auto Death Rise - curve of accidents and deaths is still going up - Gladys

Sept. 7 Los Angeles Has 7th Day at 100 Degrees - crop damage was estimated in the millions - Start Second Blaze to Keep Forest Fire From City - great 'fire storm' described as the worst in the history of Klamath National Forest burned within 15 miles of Yreka in north central California - Anti-Greek Rioting Rages in Istanbul - 100,000 Strike in Montevideo - Mexican Field Erupts, New Volcano Believed Being Born Near Mexico - Contractor Seized as Wife Strangler - fruit, Eggs Fly in Riot Over Boston Priest (who was unfrocked) - Police Say Street Fight Just Grew - brawl involving several hundred Puerto-Ricans and Italian-Americans (Hoboken) - 64 New Cases of Polio in Massachusetts - No Bail for 2 (young men) in Assault on Woman

Sept. 8 Coast Still Selter, Mercury Tops 100 Degrees for Eighth Straight Day - heat wave has brought death to 88 persons since last Wednesday - Greece to Refer Riots in Turkey to Nato Council, New Demonstrations Flare in Salonika and Istanbul - Algerian Rebels Kill 3 in Ambush, Shooting of French Woman and Two Daughters Stirs New Wave of Fear - Barrier is Urged Along Gaza Strip to Block Fighting - Pontiff Cautions on World Tensions, Tells Historians Religious and Moral Unity is Needed to Avoid a Catastrophe - Walkout at Simmons, 1200 Strike in Pay Dispute (Linden, N.J.) - Peruvian Indians in Battle, fierce knife-and-stone "war" between two villages over 800 acres of disputed pastureland - Gas Blast Burns Cars (Detroit) - gas explosion - Pakistanis Plan Kashmir March, 15,000 Unarmed Volunteers Propose to Cross Truce Line Later this Month - 2 Cities Menaced by Forest Fires, Santa Barbara and Yreka, in Path of First Blazes, 250,000 Acres Burn - U.S. Urged to Halt 'Fury' in Mississippi - atmosphere of violence that has led to the murder of three negroes, hundreds of threats, open reign of terror - Passaic Polio Cases Hit 45

Sept. 9 5 Moroccans Die at Bombing Scene, Police Machine Gun Crowd After Grenade Injures Six Aides in Casablanca -
Walkout on Piers Hits Other Ports; Court is Defied, Commission Heads Charge 'Lawlessness' and 'Goonism' - Union Threatens Transit Walkout - Anti-Peron Plot Laid to 5 in Army - Ecuador Says Peru Threatens to Attack - Bonn Reds Urge More Strikes - Costa Rican Strike Set - Canada Offers India Reactor - Glasgow Strike Nears End - Brazil Seizes Weapons (stolen from army) - Factory Blast (of unknown origin) Hurts 6 (N.J.) - Polio Count Rises (Passaic County, N.J.)

Sept. 10 Heat Wave is Broken, Sea Breezes Ease Coast Plight, Death Toll Put at 107 ... preliminary estimates of agricultural damage ranged to $25,000,000 for the hot spell ..., despite the break in the heat, smog and a high relative humidity made the day uncomfortable ..., - Planes Combat Frost (Toronto) ... all-out effort to combat unseasonable frosts ..., - One is Shot, Fire Loss Heavy in Jail Riot (Lincoln, Neb.) - Bridge Leap Kills Woman - Blasts Wife, Self to Pieces - Flood Sweeps Two Children to Death (Formosa)

Sept. 11 Czechs Blow up Factory ..., after issuing advance warning to German residents across the frontier. The action followed the razing of 2 Czechoslovak border villages ..., - Italians in Flood Get U.S. Aid ..., cloudburst ..., - Men at Studebaker Boo End-Strike Bid - Acute Polio Rises in Britain ..., - Heavy Rains Hit India Flood Area ..., piled new misery on an estimated 5,000,000 persons emerging from the greatest flood ordeal Orissa has known for a century ..., - "Managerial Sickness" in W. Germany, Deaths of Heart Disease on Rise ..., - $2,000,000 Fire ..., flames broke out yesterday after a service station's gasoline tank exploded ..., - Dies of Beating, Husband Held - Bolt Kills Officer - N.J. Boy, 15, Shot by Friend, 19 - 7 in Family Have Polio (Durand, Ill.)

Sept. 12 Second Blast Rips Refinery ..., second explosion in two weeks ..., refinery of Standard Oil Company of Indiana ..., attributed to escaping naphtha fumes ignited by furnace ..., - Suicide Pact Fatal to Husband, Wife Lives - Quake Recorded (Pasadena) ..., large distant earthquake ..., distance at 8000 miles from here in an undetermined direction

Sept. 13 Bahamas in Path of New Hurricane, Florida is Alerted as Hilda Grows 750 Miles off Coast, Path is Uncertain ..., - Quake Kills 16 in Egypt; 28 Hurt in Wide Havoc ..., the earthquake felt throughout the nation, was described as the most powerful ever to strike the country ..., - Nantes is Tied Up by 24-Hour Strike ..., Atom Tests in '66 Slated by Britain, Third in Series of Weapons Trials Scheduled in April on Isles off Australia ..., - 11 Held in Camp Fight Where Shot Killed 1 ..., migrant labor camp brawl ..., - N.J. Safe Driving Awards Fall Off ..., Paris Subway Strike ..., - Westinghouse Strike ..., - City (N.Y.) Polio Cases Up 19 to 525 ..., - 400 Machinists Strike (Roselle, N.J.) ..., - U.S. Weathermen Seek Hurricanes' Weak Spots ..., looking for the "Achilles heel" of hurricanes to kill them or steer them away from land ...

Sept. 14 Los Angeles Gropes Way in Worst Smog with Stinging Eyes ..., the worst smog on record shrouds the city today ..., - Chemists Trace Source of Smog, Poisonous Compounds Said to Form in Air as Result of Combustion on Ground, Created on Large Scale, Bewildering Variety of New Active Chemicals Believed to Evolve as Irritants ..., - Hurricane Gales Hit Eastern Cuba ..., Threat to U.S. Mainland Still Present ..., - Girl Leaps 24 Floors to Death ..., - Burmese Officer Slain, Italian Diplomat Shot, in Raid by Terrorists Near Rangoon ..., - Measles in Greenland ..., seven hundred cases ..., in the Holsteinkoborg settlement ..., almost half of the settlement's inhabitants are bedridden ..., - Robbers Kill 6 in Colombia ..., - Five in R.A.F. Plane Killed (crash) ..., - 4 Die as Floods Ravage Italy ..., wind-lashed floods in much of south central Italy ..., - Actor's Son in Plane Crash (N.H.) ..., - Israeli Village Raided in North, Marauders From Lebanon Blamed ..., - Bomber Crashes in Cemetery ..., 6 Die (L.I., N.Y.) ..., - Hunt For Plane Futile, Air and Land Search Goes on for 4 Missing on Coast ..., disappeared in a region of 6,000 foot mountains ...

Sept. 15 State (N.Y.) Fight on Mental Ills Intensified Under New Plan ..., - 16 French Die in Crash, Big Seaplane Falls in Flames
in Cameroon Mountains — according to witnesses, the plane’s tanks containing about 11,000 gallons of gasoline, burst into flame while it was flying over the mountains — 2 Storms Raging in Southern Seas. Hurricane Hilda in Caribbean Area Killing 4 in Cuba, One Found Off San Juan — Los Angeles Unrelieved, Smog Clings to City and Heat Adds to Discomfort — An earthquake shook parts of the city today. It apparently was a minor local shock — Water Producing Seen As Industry, Chemical Society Told 1,000 Cities and Towns Suffered Shortages Last Year — Polluted City Air Traced in Survey; 2 Million Tons of Sulphuric Acid a Year is Produced Here, Parley is Told; Speedy Relief Doubtful —

Sept. 16 Atlantic Hurricane Veers to Mainland (Ione) — Hilda continues to churn westward — Eden Ill of Influenza — Guilty of Assaulting 3, Queens Youth Hits Doctor, Policeman and Photographer — Diphtheria Rises as Polio Declines, Increase in Last Six Weeks Worries U.S. Health Aides — Bulgari Report 2 Ill — Tass did not say what ailment — looked tired eyes were red rimmed — Crazed Killer Overawed by Police Guns —

Sept. 17 4 Coastal States Alerted for Hurricane Ione — Civil War Breaks Out in Argentina; Military Units Rise Against Peron — Rioting in Turkey Called Danger Sign — riots last week were much worse than could be reported from Istanbul — 12 Die in Chilean Collision — freight train hit a bus — Can’t Stand Baby’s Crying, Burns Foot With Cigarette — Soviet Says Bulgarian Suffers From Overwork — some sources claimed the premier had a touch of influenza, which would not be unusual in the unseasonable heat afflicting Moscow at the present time — Girl Saved From Death at Mom’s Hands — Dad Beat Son With Hammer Held As Slayer — “I don’t know why I did it”

Sept. 18 Hurricane Heads Toward Georgia, Warnings Ordered on Coast from Florida to Hatteras as Ione Approaches — Peronists Claim Capture of Insurgents’ Key Base; Rebel Ships Peril Capital — British on Cyprus Battle New Riots — One Slain in Bombay Clash — when two groups of Moslems armed with sticks and knives clashed inside the premises of a mosque — Violence Marks Morocco Impasse — Quake

in Mindanao — Jersey Iron Workers Strike — Held in Slaying of Wife — Forest Fire Loss Put in Millions, In Two Weeks this Month 10,000 Men Were Fighting Major California Blazes — Columbia Installs Nuclear Generator — 50 To Begin Study of Man’s Actions, Behavioral Sciences Center Opens 2nd Year Tomorrow — Japanese Riot at U.S. Army Post

Sept. 19 Peronists Plead With Insurgents to Spare Capital, Decree Open City — Hurricane Alert on: Ione Due in 48 Hours, Coast Set for Tides, Winds of 125 M.P.H. — Chicago Heat Records Climb — summer’s forty-fifth day of 90 or above here — Father Slain by Boy, 15, to Protect Mom — 2 Road Deaths Hike Weekend Total to Nine (N.J.) — Monmouth (N.J.) Woman Held in Ax Killing — 3 Jersey Youts Invade House, Smash Bottles as Girls Gringe

Sept. 20 Ione Moving on the City; Path Unsure, Damage is Severe, North Carolina Struck as Worst Storm of Years Batters Coast — Hilda Hits Tampico, But Toll is in Doubt — Peron’s Regime is Overthrown; Junta Will Meet With Rebels; Crowds Hail Fall of Dictator — Jet Hits Houses in Japan; 5 Die — Soviet Disorder Hinted, Freed German Says Slave Laborers Have Struck — Five G.M. Plants in Ontario Strike — Polio Sees 55 Mark in Upstate Counties (N.Y.) — number of new cases of poliomyelitis reported in the upstate area last week totaled 178, a record for the year — rise in cases in the 57 counties outside of N.Y. City resumed upward trend which had been interrupted the previous week — Plane Crash Laid to Pilot Fatigue; C.A.B. Ends Long Inquiry on Italian Airlines Disaster Here in Which 26 Died (last Dec. 18) — “pilot’s slow response to wind shifts” — Smog Adds Woes on Eve of Ione — Dense fog, followed by a smog blanketed most of New Jersey — Sad Dad Kills 2 Girls, Self With Shotgun — 8 Armed Cons Escape Prison (Angola, La.) —

Sept. 21 Ione Veers to Sea; City Area Spared But 5 Die in South, Course of Storm Puzzles Experts and Delays End of Alert Till Noon — 13 Hurt in Blast in Rabat — bomb exploded in a European milk bar — 2 Die in Thule (Greenland) Air Crash — 20,000 Homeless in Tampico Storm, Mexico Speeds Aid to Oil Port as Hurricane Hilda Wanes, Deaths
Rise to 25 — Seven Flee Jamesburg Boys' Home ... sawed way through a barred window ... Coast Seismograph Records Big Quake (Pasadena) ... an estimated 6,200 miles from here ... direction ... not determined ... 

Sept. 22 Coney (Island) Fire Kills 5: Arson Is Suspected — Prize for Schizophrenia Cure ... eligible to compete are qualified physicians practicing psychiatry in England or Israel ... Chilean Strike in Second Day ... machinists ... British Fire on Cypriots ... rioting villagers ... Hilda's Death Toll Hits 144 — Couple Kill Each Other in Easy Payment Row ... slashed each other to death with butcher knives ... — Faure Bids Labor End Strike Wave, Warns Workers Their Unrest Perils France's Delicately Balanced Prosperity

Sept. 23 New Storm Rages in Caribbean Sea, Janet, 10th Hurricane of '55, Batters Barbados, Alert Sounded in Puerto Rico — Israel Reports 3 Die in Arab Bus Ambush — British Airliner Crashes at Tripoli; 15 of 47 Die ... crashed in a desert sandstorm ... — Canada Shows Crime Increase — Violence Erupts Anew in Morocco, 3 Persons Slain, 4 Injured, Further Worsening of Political Impasse Seen — Plane Crew Blamed for Missouri Crash ... "inattention to flight instruments" ... - Boy Friend Slays Girl as She Sits in Tavern with Sailor — Hot Stormy Summer Ends Officially Today ... July and August Were the hottest ever recorded here (N.Y.) ... spell of high humidity ... hurricanes ... — Girl's Stories Sifted in Slaying of Brother

Sept. 24 100 Perish as Hurricane (Janet) Lashes Caribbean Isle — 7 Sudan Police Slain ... details were not immediately available ... - Sleep Sickness Killing 6 Laid to Mosquitoes (Fort Branch, Ind.) ... all of them (the victims) more than 60 years old ... — Babe in Woods Fights to Live (abandoned) — 'Copter Crash Fatal ... exploded in the air ... Enraged at Wife, Crashes Car at 70 M.P.H.; She Dies — Ambush Kills 3 in Israel

Sept. 25 New Soviet Blast of Nuclear Type Detected by U.S. Atomic Energy Agency Says it Indicates Continuation of Weapons Tests ... Lewis L. Strauss, Chairman of the Atomic Energy Commission, last announced a new series of atomic tests by the Russians Aug. 4. ... — Eisenhower is in Hospital with 'Mild'

SEPTEMBER, 1955

Heart Attack — London Crawls in Fog — Naples Walks in 2nd Bus Strike — Montevideo Short of Water ... severe water shortage caused by a flood ... crippled waterworks pumping machinery ... — Much Tokyo Food is Colitis-Tainted ... recorded cases of food poisoning in this city of 8,000,000 are running 300 per cent over those of last year ... — New Zealand Transport Strike — Polio Cases in Union County (N.J.) ... mounted to 54 today ... — Los Angeles Smog ... experts say that about seventy days of each year, on the average can be classified as smoggy to the extent that it is a problem. But the times when the air is really crystal clear are rare ... — Undersea Volcano Found off Jersey ... buried in sand ... would be correctly called a "volcanic intrusion" ... — First day of Fall is Wet and Humid — Janet Regains 100-Mile-an-Hour Winds, But Course in Caribbean is "Eccentric" — Survey is Mapped in Mind Ills Field ... national survey of the problem of mental illness ... — Mexico Train Toll May be 100 ... two speeding trucks carrying fourteen tons of dynamite smashed into the passenger freight train ... — Behind the Cyprus Riots in Turkey, Deep Unrest Revealed as Have-Nots Joined in Orgy of Destruction — Typhoon Lashes Luzon, 3 Die ... eleventh big storm of the season in this area ...

Sept. 26 Hurricane Janet Gains New Power, Storm Rolls West Across the Caribbean — President's Attack Found Neither Mild Nor Serious — Typhoon Hits Iwo Jima ... strongest typhoon of the season in the West Pacific ... — 2 Dead in U.S. Plane Wreck (Tokyo) — Morocco Terrorism Causes Four Deaths — North Texas Deluged ... up to ten inches of rain ... — Los Angeles Smog Tied Up in Politics ... There was no snow before World War II ... — Etna's Central Crater Erupts ... first eruption of the central crater in seventeen years ... — Florida Hotel Strikers Meet — 56 Hurt in Tube Crash ... two New York-bound Hudson Tube Trains crashed — Hit-run Driver Kills 2, Hurts 20 (Netherlands) — Albuquerque Digs Out From Worst Flood ... ninth and worst flash flood of the year ... — Warn of Holocaust in Atomic Conflict ... West German physicists ... — Boy Cyclist Killed; Road Deaths at 8 (N.J.) ... weekend
Sept. 27 Hurricane Janet Nears Nicaragua, Island Toll Now 150, Earthquake in Caribbean Linked to Storm ... The Rev. L. J. Eisele, Spring Hill seismologist said ... "It's entirely possible that Janet triggered an earthquake in the Caribbean Sea. The coincidence of hurricanes and earthquakes is noted frequently." He said that for each drop of one inch in barometric pressure the weight on the earth's surface is decreased about 1,000,000 tons a square mile ... - Rejected Suiitor Held in Slaying - Traffic Accidents Up (N.Y.) as compared with 1954 ... - Fatal Plane Blast ... A Royal Air Force Canberra jet bomber exploded in flight today ... - Body of Missing Boy Found, Shot to Death - Held in Beating Two Small Sons of Widow He Lived With - 17 Wounded in Morocco in Spreading Violence

Sept. 28 Hurricane Janet Grows in Power, Winds Up to 150 M.P.H. Noted - Explosion in Syria Kills 12 ... explosion in a gun powder store ... - Singapore Transit on Strike ... Spain's Economy in Weather's Grip, Drought Cuts Wheat, Staple of Diet - Crackdown on Thrill Pills, Federal Agency in Drive to Check Illegale Use of Amphetamines by Youths - 4-Car Crash Kills Six, Family of Five Among Victims of Accident in California ... Wife Arrested in Plot to Slay Husband - 2 Boys Admit Trying to Derail L.I.R.R. Train - Cause of Heart Attacks is Still a Mystery to Science

Sept. 29 Hurricane Janet Rips into Yucatan, Damage to Crops and Roads is Heavy and Death Toll is Estimated at 200 - Indian Tribes at War in Peru ... three savage Indian tribes in jungle areas ... - Rio Faces Power Crisis, Shortage of Water May Shut Down One or Two Plants ... abnormal lack of rainfall ... - 3 Die in Plunge ... 5 persons plunged to their death in Manhattan today

Sept. 30 Cypriot's Strike Battles Britain, Pro-Greek Islanders Clash with Troops - Storm Batters Kyushu, Typhoon (Louise) Leaves One Dead, 30 Hurt and 3260 Homeless - New Plant to Top Atom Fuel Output, British Research Head Says by 1970 New Power Units Should Be Nuclear Type...

OCTOBER, 1955

U.S. Road Deaths 5 per cent Ahead of 1954 - Janet and Floods Rip Mexico Anew, Tampico Inundated

Oct. 1 Expert Says London Soot Dulls Cleopatra's Needle ... has deteriorated more in its 70 years there than in its previous 300 years in Egypt ... - Bremen Dock Workers Strike ...

Oct. 2 Hurricane Toll Rises in Mexico, Total from Janet and Floods is Near 250, Reports of Devastation Increase - Tito Has Rheumatism - Hurricane Swing to North Studied, Officials of Weather Bureau Seek Efficient Tool for Forecasting its Path - Smokeless Area Fixed in London ... British authorities, girding for the annual winter fight against smog decreed today that the one-mile-square financial area must be smokeless ... - Racket Charged in Smog Trouble, Bribery, Monopoly Alleged at Inquiry on Los Angeles Trash Collection Deals - California's Loss in Timber Heavy, Survey Shows Forest Fires Destroyed 1.25 Billion Board Feet in Eighteen Days - 12 Killed in Algeria Clashes - Austria Seeks Reactors - Strike at Dictaphone Corp. - Arma on Strike, Plant Shut Down - Dock Weighers Strike

Oct. 3 Rising Rivers Flood East Mexico ... torrential rains ... - Tribes Attack in Morocco ... Youth Climbs Big Ben Tower (London) ... sent to a hospital for observation ... - Survives 9th Floor Plunge (Chicago) ... Hormone May Help 'Normal Thinking' - Lotherio, 60, Dies of Beating by Hubby, 33 - Pope Sees the Atomic Age Heraldin a Rare Experience for Man - Losses Death Race With Train Across Pennsy Trestle ... - Mother, Child Hurt in Crash - Car Hurts Child, 6 - Mother of G.I.'s Girl Killed in Crash - Seven Killed as Car Rams Football Bus - James Dean Nabbed as Speeder 2 Hours Before Crash Death - Runaway Car Kills Woman Church Goer - Widower, 89, Killed by Auto - Islanders Riot Over M.D., Cut Power Lines (Faeroe Islands) - Boston Prisoners Fed In Small Units after 2 Hour Riot - Twice Hit Jap Isles Face New Typhoon (Marge) - Irish Girl Killed as Car Slams Steam Shovel - 3 Boys Invade Morgue 'Just to See Stiffs' - 15 Year Old Girl Badly Beaten by Teen Molls - Four Harlem Teeners Held in Fatal Gang War
Oct. 4 Flood Hit Tampico Faces New Threat — record-breaking floods grew graver today as waters crept over the remaining dry areas at the rate of two inches an hour — (Wichita, Kansas) Flood waters in the north edge of this city receded slowly today — downpour of 7.75 inches in that part of the city Saturday night — Drive to Harness H-Bomb for Peace is on in 5 Centers — “Sick” Strike Cuts Ind. Subway Runs, 132 Motormen Out in Revolt Over Schedule Changes — Two Dead in B-17 Crash, 2 Other Bombers From Tucson Base Unaccounted For — F.B.I. Head Asks Aid in Crime War, He Calls on Citizens to Help Fight ‘National Disgrace’ — Law Asked to Cover U.S. Water Supplies — nationwide demand for more and more water, coupled with constantly diminishing natural underground supplies — 600 Jam Meeting on Youth Crime — to seek answers to the problem of young people in trouble — Auto Accidents Rise, Week’s Deaths and Injuries Also Above Year Ago — First Private A-Plant Planned for Middlesex (N.J.) —

Oct. 5 New Flood Crisis Looms in Tampico; River, Swollen by Hurricane Rains Continues to Rise, Thousands Homeless — Spanish Papers Here Struck — Paraguay Hears Echoes of Revolt, Argentine Removal of Peron May Have Repercussions in Regime of Stroessner — Carbon Official, Wife Die in (Air) Crash — Runaway Truck Rams Dynamite Train, 5 Dead (Pa.) — Battle Still on With Morocco Border Rebels — 3 Youths Die in Car Plunge


Oct. 7 Tampico in Danger of Another Flood — heavy rains to the West, flooding the Zapopan River — 65 Killed in Crash as Airliner Hits Peak in Wyoming; All Aboard Dead; Worst Commercial Air Disaster in History of U.S. Aviation — Floods Damage Pakistani Area, thousands of homes and wheat fields have been inundated — Convicts on High Perch, 3 at Pittsburgh Mount Water Tank and Demand Transfer — Cop’s Wife Shoots Her Rival — Boy Locks Brother, Pal in Trunk in Space Ship Game; Both Die — Red Hot Mama (Sophie Tucker) Has the Flu

Oct. 8 Body’s Chemicals May Poison Mind, 200 Medical Conferences Here Discuss Possibility Raised by Harvard Internist — Two Teeners Seized as Car Strippers — Attack on Rhee Balked, Seoul Arrest Eight Alleged to Have Plotted Assassination — M’Arthur Greets Mayor of Naples, Lauru Quotes Him as Saying Wars Between Nations Are Now Obsolete — wars between planets may replace it, in the General’s opinion — Girl, 15, Stabbed; Youth Accused

Oct. 9 Violence Goes on in Ruten Protest, Red Incitement Is Indicated in Outbreaks Over Sending More Troops to Africa — Many Polish Teenagers Drink — Capital of India a Flood Refuge — the season for devastation from the waters should have been over. But the rains came again, after the time of the monsoon — 5 Car Crash on (Queensboro) Bridge — New Connecticut Prison Designed to Cut Riots

Oct. 10 New Atom Tests Set Next Week, U.S. to Explode Some Small Devices at Nevada Site This Month and Next — will be followed next spring — by tests of powerful nuclear and thermonuclear weapons at the nation’s mid-Pacific proving grounds — The U.S. tests follow the beginning of a new series of Soviet nuclear test explosions — Great Britain also has announced plans for fall and winter nuclear tests in and near Australia — Bomb Explodes in Paramount, 24th of Its Kind Placed in City — Flood of Century Ravages Punjab, 175 Persons, 8000 Cattle Dead and $50,000,000 in Farm Crops Destroyed — “Nothing like this has happened in living memory or in our records” he (Nehru) said — Pakistan Flood Worsens — Adenauer Has Tonsilitis — 40 Freight Cars
DOR-EMERGENCY

Jump Tracks (Herkimer, N.Y.) — Husband Wounds Estranged Wife, Kills Man and Self — Two Airmen Killed (Crash near Tokyo) — Passaic Man Killed in N.Y. Street Fight — Wind Foul ous Chuters, 1 Dies, 1 Missing (parachute jumpers, Italy) — Nervous Mare Runs Wild Course threw her jockey during a race and ran for two miles through busy Vienna streets — Boy With Gun Defies 15 Cops — Hold Dad of 3 for Punching 8 Year Old Son

Oct. 11 Strike Shots Shipyard (Pa.) — Diamond Cutters Strike in Antwerp — Strike-Riot Area Gets Martial Law (Indianapolis) — Teens Stab Boy With Ice Pick — Say Wife Slewed Mate Who Damaged Car — Oil Refinery Blast Hurts 18, Rocks Town (Pa.) — 2 Killed, 5 Injured in Gas Pipeline Blast (Indiana) — Seek Identity of Slain Girl — Cowboy Clad Youth Stabs Store Owner — Shoot Two In Bar Brawl

Oct. 12 Japan Maps Atomic Program — Adenauer is Stricken with Mild Pneumonia — Traffic Creeps in London Fog worst fog of the year shrouded London today — Britain Flying Troops to Cyprus — which has been swept by rioting and bomb throwing — Mother, Shoots Self — Vandals Smear Columbus Statue — Rumors of Army Revolt Sweep Brazil, All Denied — 2 Pilots, Woman Die in Air Crash — crashed in swamp land — City College Girl Beaten

Oct. 13 British Planning Atom Warships — Flood Damage Vast in Punjab Territory — crops over an area of 5,600,000 acres — had been destroyed (India) — Prime Minister Chandrey Mohammed Ali (of Pakistan) said loss of life was "without precedent" in the vast stretch of inundated farm land adjoining India — Nuclear Center for Buffalo U. (nuclear research center) — Teen Hoods Fight Rivals With Knives, Not Fists — five brutal stabbings since Saturday — Cop Risks Life in Fluid Blast in Empty Apartment (cleaning fluid)

The following headlines are mostly from two newspapers—The N.Y. Times and The Newark Star-Ledger. They by no means give an adequate picture of what is going on. For example, it was only by chance that news of the Canadian flood of November 4 turned up through a copy of The Boston Globe. The worst rainstorm ever to hit the Pacific Northwest was apparently not reported in many papers.

The reader's attention is called to the extraordinary number of floods that now occur.

Oct. 14 3 Missing as Volcano Erupts (Kagoshima, Japan) — Belgian Students Riot over cuts in government funds for Roman Catholic Schools — Transit Strikers Face St. Louis Fines — (Gen.) Pauwens III with Influenza — School Body (N.Y. City) Acts to Ease Unrest, Low Morale, Indignities and a Deterioration in Teacher Quality Cited at Meeting — Atom Reactor Gets Go-Ahead (Plainsboro, N.J.) — Pea Souper Blots Southern England fog blanketed many parts of Europe today and disrupted air, rail and river traffic. London and the south of England were among the worst hit areas — Crash Killing 29 Blamed on Pilot crash of a Yugoslav airliner on a fog-shrouded Vienna hill — Teener Knifed in Mock Duel With Pal, Not by Rival Gang

Oct. 15 Gale Lashes City; Rain, Heavy Tides Flood Low Areas, Roads Blocked, Power Lines Broken and Ferry Service Limited in Downpour, Four Die in Accidents, Storm Extends Along Coast from Hatteras to Maine, Damage Upstate Severe one of the worst storms, other than hurricanes, to hit the Eastern seaboard in recent years — an extra-tropical cyclone — Power Use is Curbed in Rio de Janeiro as the power supply continues to dwindle because of the drought — Flushing Fireball Flies through Southern Skies — reports came from thousands of persons, chiefly in Texas, Louisiana and Mississippi. They also came from as far away as Mobile, Ala., and Pensacola, Fla. — Capture Son who Went 'Mad' and Knifed Dad — Stepdad Faces 7 Years for Beating Girl, 9

Oct. 16 2nd Storm Swells Rivers, 19 Dead in Wake of 1st; Parkways Shut in L.I., Westchester; More Showers in City Predicted second storm in as many days, a non-tropical disturbance off
the Carolinas sent moisture in counter-clockwise winds which swept the northeast. ... severe storm that battered the same area the day before, an "extra-tropical cyclone," lunged on northward into Canada. The two storms were unrelated, the Weather Bureau said. ... Italy Planning Atom Power Plant ... Says A.E.C. 'Sat on' Data on Fallout. Scientist (Dr. Ralph E. Lapp) cites '54 Super Bomb ... Air-Current Shift ... Blamed in Crash (last week's crash in Wyoming which killed 66 persons) ... 65 Foot Flames After Gas (Main) Break ... police theorized that the gas was ignited either by a spark coming from frictions in the breaking of the pipe, or that the flame came from a flare on the construction project ... <br><br>Oct. 18 Union to Use Pay Rise to Halt Wildcat Strikes (U.S. Rubber Co., Detroit) ... (N.Y. Times editorial on recent big storm): Certainly some of the Weather Bureau forecasts revealed sensational divergency from what actually occurred ... Traffic Accidents Up: Injuries and Deaths Here (N.Y. City) Last Week Also Above 1954 Totals ... Riot, Injuries Mark E. Side-Weequahic Tilt (spectators riot at high school football game) ... Mom of 3 Kills Self in Jail ... Woman Slain, Son Held in Suicide Try ... Youths Cut Phone Lines in Hudson (County) ... Northeast Storm Toll 42 ... Hurricane Katie Cuts Up in Two Caribbean Towns ... Street Taunts Lead to Knife Death of Youth ...<br><br>Oct. 19 Singapore Bus Drivers Strike ... Floods Endanger Western Mexico: Avalanche Caused by Heavy Rain Said to Bury Small Town in Mountain Area ... Mexico, gradually drying out on her east coast, faces new and serious floods in three states on her Pacific coast ... torrential rains and near cyclonic winds ... unusually low temperatures ... Boy, 16, Held in Killing; Charged with Beating Man to Death ... 3 Boys Slain in Chicago ... Bodies Found in Ditch, Crime Laid to Madman ... Airline Strike Set (Chicago) ... Driver Stabs Self to Death at 77 M.P.H. ... Stepmother Stabbed Him, Boy Tells Cop ... Teacher Found Slain in her Bed, Handyman Held ... Boy, 7, Kills Brother, 6, in TV Spat ... Prison Break Halted by Unarmed Sentry (Capetown) ... State Tomato Crop Lowest in 10 Years (N.J.) ... blistering July weather ... abnormally rainy August ...<br><br>Oct. 17 Northeast Floods Take 29 Lives; 48 Towns in Connecticut Are Hit; Rail and Road Travel Disrupted; More Rain Likely. Property Losses Put in Millions, Repairs of August Undone ... Haiti is Threatened by a New Hurricane (Katie) ... Twister Rips Way Across New Jersey ... Greece Flood Toll Now 23 ... Oil Well Nitro Blast Kills Three (Oklahoma) (cause of blast unknown) ... Stepmom's Slayer 'Hated Her Guys' ... Racial Hatemongers are Denounced by Brownell ... Woman Found Brutally Slain ... Fisherman Shoots Barkeep, 2 Patrons in Tavern Dispute ... German PWs Return (from Russia) with Tale of Bloody Labor Camp Revolt ... 10 Dead in Havana Blast ... blast was caused by the collection of gas from a leaking main in a small clothing shop ...<br><br>Oct. 20. Bechet (jazz musician) Fans Riot, 7 injured (Paris) ... Brooklyn Boy Slain by Gang in a Chase ... Man Gets 15 Years, Woman 18 mos., in Two Mate Slayings ...<br><br>Oct. 21 Typhoon Kills 7 in Japan ... Japan Cotton Mills Strike-Bound ... Shotgun Blast Hurts 12 at Union Meeting (Fla.) ... Woman Found Hanged ... Teen Hoodlums Cut Up Boy's Body at Mortuary ... broke into a funeral home after three of their gang members had been arrested for murder, ripped the 15 year old victim from his casket and "cut the body to ribbons" ... 4 Youths Held in Knife Death of Teenager ...
Oct. 22 5 Killed as Private Plane Crashes in Pennsylvania — Rumania to Build Atom Power Unit — Terror Flares, Troops Fire on Morocco Mobs — Leaps to Death in East River

Oct. 23 Storm in West Europe . . . autumn rainstorms lashed most of Western Europe . . . leaving Great Britain, France and Italy harassed by landslides, flash floods . . . gales ripped both sides of the English Channel . . . Burma Rebels Kill 11 — Connecticut to Hold Hearing on Youth Driving Problem — series of serious accidents . . . 1000 Homeless in Ceylon Flood . . . floods are expected to spread in the next few days . . . certain areas have been completely cut off by landslides . . . Music Advocated as a Curb on Crime; Union and Civic Units Would Share Teen-Dance Costs — Youth Dies in Crash . . . ten injured . . . collision of a Greyhound bus and an automobile . . . 1000 Strike in Oxford — pressed steel company

Oct. 24 Girls, 12 and 13, Arrested as Extortion-Note Writers — Chile Volcano Erupts — Snow Shuts Logan Pass (Mont.) . . . raging storm piled up about three feet of snow . . . Cleaning Fluid Blast Kills G.I. . . . a tank containing fluid used in washing aircraft mysteriously exploded . . . 175 Air Engineers Strike at United — 24 Hurt in 11 Penny Cars Are Derailed in Md. Wreck — Boy Vandalizes School

Oct. 25 80 Mile Squall Hits City (N.Y.) Area — Stabbed Youth Held with Three Boys in Fight — Brooklyn Man Shot — no reason why anybody should shoot him . . . Traffic Accidents Rise, Number of Injuries Here (N.Y. City) Also Over 1954 Figure — Twisters Hit Princeton, Plainfield, Red Bank — Frisco Bay Shaken by Strongest Quake in Years — Siamese Girl Twins Born in Wisconsin — Etna Flows Again . . . northeast crater . . . active off and on since July . . . 3 Teeners Steal Plane, Crack it up Trying to Land at Jersey Airport

Oct. 26 It's Official! . . . No Saucers . . . the Air Force wound up an eight-year study of flying saucers today by concluding there is no such thing . . . Slayer of First Wife Kills Second and Self — Police Task Force Combats Rise in Auto Deaths at

Oct. 27 2 Die, 350 in Hospitals as Smog Sets off New Orleans Asthma Wave . . . smog was so bad on the highways east of the city that traffic stopped . . . Plane Rams Bank (Building) in 'Get-Even' Suicide — Sen. Butler to Push for Atomic Train — Teen Gang Made Bombs as Sideline

Oct. 28 Honduran Highway Flooded . . . floods near the city of Choluteca . . . 8 Die in Train-Truck Crash . . . Newark Plant Blast Injures 30 Women . . . when a machine exploded touching off a fire . . . Robert Young ailing . . . influenza . . . Leaps 24 Floors to His Death — Bomb Labor Office (Rome) — Crazed Man Shoots Up Hotel then Kills Self

Oct. 29 Cypriots Crowds Riot in 6 Towns — U.S. Silence on Red A-tests Hit by Scientist . . . there have been more than 12 atomic detonations in Russia within the past 13 months . . .

Oct. 30 506 Java Terrorists Slain . . . in the last ten months (by Indonesian troops) . . . Why City Crime is High: 1 Patrolman, 5000 People; There's A Murder, 3 Rapes and 25 Assaults Every Day — Girl Dies; 4 Hurt in Pileup: Fog Shuts N.J. Pike 3 Hrs. — Wave of Jewish Arrests in Russia

Oct. 31 Rains Pelt Western Connecticut . . . renewal of flood jitters . . . 2 Sought in Miami Bombing — professional terrorists . . . N.J. Crash Kills 3; Weekend Toll Hits 10 wet, foggy weekend . . . Death in Fog Ends Trip in New Boat (San Diego, Cal.) . . . sudden fog . . . Blast Shatters Oil Tanks in Penna. Town . . . of unknown origin . . . Hunt Source of West Orange Explosives . . . home-made bombs . . . Amboy Police Act Quickly to Avert Teen War — 23 Perish in Flood (French Morocco) — Volcano Erupts Again . . . on a small island off the coast of Kyushu . . . 15th time this month

Nov. 1 Floods Kill 7 . . . flood sweeping southern Spain since Friday . . . 4 Barn Fires Blamed on Arsonist (Pa.) — 3 Die in Blast at Paper Mill (Clayville, N.Y.) . . . cause not determined . . . 7 Missing in Crash of Navy Plane (Pan-
Nov. 2 48 Die in Crash of N.Y.-to-Coast DC-6 in Colorado ... exploded in flight ... 120 Injured in Greece in Cyprus Riot ... Parents Blamed for Delinquency ... Coast Earthquake ... apparently centered in Walnut Creek (Calif.) area ... Mechanics' Strike Hits Car Dealers ... Student Held for Murder in Woman's Fire Death ... Jerseyan Found Hanged in Hotel ... Japan (Coal) Mine Blast Kills 14 ... Boy on Tower Scares Town with Gunshots (Ky.) ... Coad's Baby Found Dead in Trashcan ... Celanese (Corp.) Strike ... U.S. Sends Aid to Costa Rica ... flood-stricken areas ... Radiation Study by U.N. Proposed ... Mt. Etna Erupts Again ... St. Louis Prisoners Riot ... rioted "out of downright deviltry" ... Snow Maroons Hunters, Storms Hit Montana Rockies, Coloradp Reports New Fall ... 16 inches of snow on Vail Pass.

Nov. 3 Flash Floods Sweep over Cork ... Greek Explosion Kills 6 ... privately owned explosives and powder factory ... Argenteine Strike Hits Many Plants ... about 65% of the industrial enterprises were closed ... Quake Rocks West Coast ... along the Central California Coast ... Crime Rise Laid to 'Soft-Headed' Treatment of 'Young Adult Criminals' as Children is Scored by Judge Dawson ... 6 Soldiers Die in 5 (Car) Crashes ... Cop Shoots Down Wife in Bklyn Court Room ... 2 Girl Gun-toters Held for Hold-up Try.

Nov. 4 Hundreds Flee Canadian Flood, Damage Mounts ... worst rainstorm ever to hit the Pacific Northwest ... winds up to 80 miles an hour ... Nixon Defies Influenza ... continued on the job today ... N.Y.U. Gets Midget Atom Plant ... Plant Blast Kills 3, U.S. Steel Furnace Explodes in Birmingham Mill ... Kills Self After Girl's Skeleton is Found ... Midwest in Grip of Ice, Snow ... Slew Hubby with Jewel-Studded Gun ... Tries to Burn Self to Death.

Nov. 5 Mercury Sliding to Freezing Point ... Recapture 4 of 10 Cons Who Tunnelled Way Out (Walla Walla) ... Phone Traps Handymen in Love Killing ... Motel Raids Net 19

Nov. 6 Gas Deaths Laid to Paris Fog ... caused stoves to draw badly ... City (N.Y.) Crime Rate Raises Insurance ... Clergyman's Son Held in Slaying ... 7 Killed in Air Crash (Mexico City) ... Research Urged in Mental Health ... Mountain Climb Abandoned (Nepal) ... because of the early arrival of winter storms ... (N.Y.) City Gets Taste of Wintry Storm ... Scientists Plan Attack on Crime, New Research Body to Give the Theoretical Basis for Attempt at Control ... Campus Disorder Studied in India, Students Confer on Causes of Unrest.

Nov. 7 Sleep Pill Probers to Hear Demands for Federal Curbs ... growing barbiturate problem ... Car Falls in River, Five Girls Drown ... 24 Rescued from Snowy Peak (Japan) ... blizzard ... Mine Toll Hits 57 (Japan) ... underground explosion ... 14 Die in Pennsylvania ... accidents over the weekend ... Hunter, 16, Kills Father, Cousin ... Car Kills Man Fixing Flat Tire ... 2 Youths Try to Run Down Rookie Policeman with Stolen Auto.

Nov. 8 Locusts Invade Cairo; Routed by Rainstorm ... invasion was the worst in several decades ... heaviest thunderstorm in several years ... U.S. Flier, 3 Poles Killed (Korea) In Plane Crash ... 19,000 Shoe Workers Strike ... Wife Slain, Dad of 8 Held ... Bomb Tip Empties Weequahic High.

Nov. 9 Rains Cause Floods in Jordan ... Daughter Wed, Mom Hangs Self ... Plane Collisions Troubling S.A.C. (Strategic Air Command) ... Officer Tells Meeting Several Hundred Near Misses Have Occurred Since Jan. 1.

Nov. 10 Scheele Sees New Auto Perils ... growing accident rate ... 16 Rebel Convicts on Hunger Strike (Boston) ... Bus Crash Kills 17 (Turkey) ... Find B-47 Wreck with Crew Dead (Texas) ... exploded ... 5 Children Die in Home Fire (Ky.) ... It was believed the fire started from a heating stove ... Coast Fire Unchecked ... Ventura County ... out of control on a three mile front moving towards Los Angeles County ... Jersey Pike Repairmen on Strike ... Soccer Riot Aftermath; Naples Team Penalized ... Sunday.
riots which sent 152 fans and policemen to the hospital . . .
- Steel Workers Vote to Walk Out in Ruhr - New Bomb
Scare at Weequahic H.S.

Nov. 11 Storm Fizzles as Flood Threat; But Rain Causes Death of
Four in Car Crashes - Plane Crash Kills Family of 3 (N.C.)
- Accident Toll High for War Game Troops - Last of
3 Sought in Mine Cave-in (Wyo.) - Six H.S. Pupils Killed
as Train Wrecks Auto (Minn.) - Ghost Ship Found, 25
Missing . . . disappeared five weeks ago . . . no trace of the
25 persons who had been aboard . . . They Called Cops
Too Late for Him . . . stabbed in a fight with three youths
- Floods Strike Egyptian Area - torrential rains . . .
- After-Shock Hits Earthquake Area (Berkeley) - Bomb
Scare Hits Two More Schools - Smog in Frisco's Eye . . .
fourth day of a heat wave and its second of smog . . .

Nov. 12 Desapio Has a Virus, Illness will Keep Him from Democratic
Rally in Chicago - Teen Toughs Attack Boy, 10 - Sit-
down Strike Over; Prison Hunts Arms . . . three day sitdown
strike by 1200 convicts at the London (Ohio) prison farm . . .

Nov. 13 5 Buildings Fall in Quebec River . . . landslide . . .

Nov. 14 Cypriotes in Jail Riot, British Soldiers and Police Quell Pol-
itical Prisoners - Vandals Break Windows . . . during
the summer vacation 2008 windows in Worcester's public
schools were smashed . . . Explosion, Fire Cripple Navy
Radar Patrol Ship - Exec Kills Wife, Two Sons, Self -
Boy, 3, Felled by Shot During Parents' Quarrel - Greek
Ship Tycoon Killed in Plunge - Weekend Road Toll
(N.J.) Rises to Five - 2 Boys Loaded with Sleeping Pills;
Murder Try Charged to Dad - Seaman Quizzed on Slay-
ing of Boy - Threat of New Slide Blocks Quebec Area

Nov. 15 Youth Admits Planting Bomb in Airliner After Insuring
Mother (who was) One of 44 Killed - Slays 4, Kills Him-
self; Contractor Shoots and Burns Wife and Three Children
- Traffic Accidents Rise. Injuries Here (N.Y. City) Are
Higher for Week (as compared to corresponding week last
year), But Deaths Decline - Kills 3 and Himself; Truck
Driver Shoots Wife and Her Kin Outside Courthouse - Ar-
gentine General Strike Set for Today by Peronists - Blaze
Kills Two Boys Locked in (Shack) by Mates - 2 Jet Planes

NOVEMBER, 1955

Collide Killing Both Pilots - 3 Youths Face Court in Savage
Beatings During Terror Ride

Nov. 16 Woman Slain by 'Boy Friend' - 2 Women Slain in Office
- Waited for Minister to Leave, Then Killed Father, Girl
Says - Marine Maneuvers Kill 6 - 'Experts' Chided on
Delinquency; Too Many Theories Conceal Real Nature of
Problem, Welfare Parley Told - City Opens Drive on Oil
Stove Peril

Nov. 17 Rain Washes Away City's (N.Y.) Indian Summer and May
Herald Cold Snap . . . rain, fog, drizzle . . . - Trains Col-
lide in Chicago - Blast Rips Ship off Grand Banks, 2 of
Crew of Italian Collier Reported Seriously Burned - 3
Teen Boys to Hang for Slaying Priest (Canada) - Floods
Slow Highway Traffic . . . rising tides in the Passaic River . . .

Nov. 18 Premier Alla of Iran is Wounded by Assassin at Rites in
Mosque - Cold Wave Hits East and South; Storm Kills
at Least 7, 2 of Dead in New York, Scores Stranded . . . fast
moving cold wave . . . gale force winds and heavy snow
. . . Michigan . . . nine inch snowfall . . . 80 mile-an-hour winds
. . . at Anderson, Ind. . . . White River swollen by torrential
rains that preceded the cold wave . . . 27 degrees as far south
as New Orleans . . . - Pilot Killed as Jets Crash over Desert
. . . collided . . . - Rescuers Reach 8 Hunters, Boy Snow-
bound 5 Days on Utah Peak . . . rescued from a blizzard-
battered cabin just before a new storm struck the area . . .
- Britain Displays A-Power Station - Teen Arrests Or-
dered After Girl's Stabbing - Cyprus Bomb Misses Briton

Nov. 19 27 Are Killed, 46 Survive in Crash of Plane Bearing Holiday
G.I.s - Hoarding Brings Riots in Pakistan; Hiding of Rice
and Soaring Salt Prices Stir Mobs in East; Famine Feared -
Train Rams Truck; 9 Die (Mich.) - Turkish Floods Kill
17 . . . in the Aegean region. The floods followed violent rain-
storms . . . - Woman Hangs Herself - Train Fire Snarls
Rush Hour Crowd . . . fire broke out in the engine of a . . .
train . . . - 30 Still Stranded (on Texas Tower off Cape
Cod) . . . gales and twenty-five foot seas . . . - Plane Crash
Kills 3 (Texas) . . . private plane exploded . . .

Nov. 20 Youth Gangs Rise in New Zealand - Caliph Murdered at
Rabat Palace - Tear Gas Routes Cyprus Students; Stone-
Throwing Youngsters Clash With Troops, Wave of Terrorism Spreads — Blast Ruins Fraternity House — hot water tank apparently had exploded — Upstate Official Kills Himself — Rezoning for Atom, Jersey Site May be Used for First Private Reactor — Dead Seals Litter a Bay in Antarctic — littered with the bodies of about 2000 dead seals that have been killed by disease or a volcanic explosion — Policeman Kills Self — Coed Sick, Youth Held as Poisoner — (N.Y.) City Felony Average Up by 20 a Day — twenty-two-day period.

Nov. 21 9 Die in Wreck of English Train — Crash on Curve Kills 5 — Blight Threatens Elm Trees (Ontario) — 100 Injured in Bombay Riot — All 14 Are Dead on Wrecked C-45 — Air Force Crash in Nevada Mountain — 10 Die in Crash of Troop Plane in Two Typhoons — Slain Principal's Hubby Found Dead on RR Track — 1 Killed, 2 Hurt in Mine Slide (Nevada) — 7 on Ocean — Tower Edgy After Flat Storm Lashing (Cape Cod) — Ex-Convict Hunted on Murder Warrant in Death of Girl, 4 — Girl, 2, Victim of Sex Fiend As She Sleeps.

Nov. 22 200,000 Riot in Bombay Under Red Leadership, Statehood Plan Sets off Fights, 12 Die, 250 Hurt, 1000 Are Jailed — 8 Feared Dead in Flood (Spanish Morocco) — (N.Y.) City Polio Cases at 378 — so far this year in the comparable period last year there were 755 cases — Artist Found Hanged in Hotel — Atom Waste Used to Heat Buildings — French Order Army to Halve New Violence in Morocco — Policemen Strike in East Pakistan — Rabbit Disease Aids Hay (Cardington, Eng.) — rabbit disease has caused rabbits to vanish from this area — $5,000 on Gold Coast Strike — 'Seaweek' Suspected, Investigators Says it Explains 'Ghost Ship' in Pacific — no trace of the missing passengers or crew — Passenger Kills Plane Stewardess — Mom Pleads Guilty in Death of Son, 3 — striking him on the head with a bottle — Tug Loses Cargo During Lake Storm (Buffalo) — windstorm — New A-Tests Reported Held by Russians.

Nov. 23 Colombian Flood Routs 5000 — authorities reported that the river (Magdalena River), Colombia’s largest, had reached its highest crest in more than fifty years — Author's Husband a Suicide — Flu Epidemic Believed Due to College Bomb Found; Device Put in Hall for Women Dormitory at Iowa State — Land Tract Sliding into Cove (Oxford, Conn.) — Jet Crashes on Flattop: 6 Die, 2 Hurt — New Cyprus Riots Break Out — Flame-Up in the West — when gas at a wildcat oil well exploded.

Nov. 24 Soviet Sets Off Its Biggest Blast of Nuclear Force; Strauss Indicates Weapon Was Equivalent in Power to Millions of Tons of TNT, Hydrogen Bomb Implied — the first of the series was disclosed by the commission (AEC) Aug. 4 — a second explosion was reported here Sept. 24, and a third Nov. 10. Today's was the fourth — Biggest Red H-Bomb Test Shakes U.S. Soil — some expert linked it with a reported 'earthquake' in Siberia — Rescuers Take 52 from Radar Isle; 57 Inspecting 'Texas Tower' Had Been Stormbound for 5 days — Canada Plans Reactor — Plane in With Engine Afire (Idlewild, Queens) — Flood in Colombia Spreads — Ship Passengers Save Two Seamen, Physician and a Nurse Give First Aid After Blast and Fire on Another Freighter — 9 Crashes (9 Cars) Injure 5 on (N.J.) Pike — Fear Freighter Lost in Storm (North Atlantic) — Recover Four Bodies in Iceland (Plane) Crash — Bat-Wielding Gang (youths) Held in Bail by Judge.

REPORT OF OROP DESERT EA SURVEY OF TUCSON AREA,
SEPTEMBER 18, 1955

By Michael Silvert, M.D.*

The following report concerns climatic changes which were observed in Arizona, U.S.A., during the Summer months of 1955. These changes were effected by Operation Desert Ea Arizona of the Orgone Institute during the winter months of 1954/1955. An extensive report on the expedition is in preparation.

1. A small plane of the Hudgin Air Service was engaged for a one-hour survey flight over the Tucson area. Mr. Palen Hudgin, the pilot, had just returned to Tucson after an absence of several months. He was quite surprised at the unusual amount of grass. Considerable greenness consisting chiefly of grass was evident at a distance of 50 miles north of Tucson and a somewhat shorter distance to the east and west. It was noted that cactus diminished in grassy areas but showed a marked increase in dry, barren, rocky areas. Mr. Hudgin said that while there was usually some grass present at this time of year, the amount definitely was considerably more than usual. Mr. McBride, an employee at the Hudgin Air Service, said that at a recent visit to the Oracle area north of Tucson, the grass, usually ankle high, now was knee or hip deep. He said he had never seen it like this before. The fire station attendant at the municipal airport, a middle-aged man, said

* Operator (Medical), Orgone Weather Control.

2. Mrs. Glass of the Sunset Inn said that there was an unprecedented number of large black bugs, and that this suggests to her some unusual atmospheric condition.

3. Visit to Oracle Junction Inn: Mr. Stoughton, proprietor, and Mr. O'Brien, bartender, said that the summer was without precedent in rainfall and general wetness. Mr. O'Brien added that the ranchers in the area all know about WR and frequently talk about Orop Desert among themselves. Mr. Stoughton suggested a visit to Rancher Wilson of the Falcon Valley Ranch, 2 miles north on the road to Florence. In a brief visit to the ranch, Mr. Wilson said that this was the best summer in 20 years with over 12 inches of rain, and that even in 1935, a record year, only 10 inches had fallen. He said that the above-average rainfall was continuing in September, and pointed out during the conversation a heavy rain in the distance over the San Pedro Valley. (Rain had been falling intermittently during the afternoon while driving.) Mr. Wilson also felt that an increase in moisture would lead to a disappearance of cactus. He said he hates cactus, but has not as yet noticed any diminution. (A 10-year-old girl present during the trip reported feeling abdominal discomfort and nausea when driving near a stand of cactus.)

4. Rancher Dan W. Clarke, Jr., said over the telephone that this was the “best summer ever” and that he expects the level in the wells to rise this winter. He indicated that a time delay was necessary for soaking before the level of underground water would rise. His father, Dan W. Clarke, Sr., said over the telephone that this was the best summer in over 30 years, with over 20 inches of rainfall. “Range conditions are very good.” He said, “The Santa Cruz River ran quite a bit,” indicating that this was an extremely unusual phenomenon for the time of year. Mr. Clarke was present at a local meeting of the San Pinal Cattle Growers Association (Secretary, Charles Day, Vail, Arizona). All present agreed on the excellent range conditions prevailing. He said no mention was made of WR's research (contradicted by Mr. O'Brien of Oracle Junction Inn). He said that as mesquite comes in, oaks and grass die out. He said that a Dr. Douglas of the University of Arizona,
from a study of tree rings, had described wet and dry "cycles." Mr. Clarke thought that the current "dry cycle" which started around 1900 may be coming to a close. However, he seemed rather vague and distant while discussing this.

5. Direct observation from air and automobile gives the strong impression that the desert is turning green. The observations and impressions of those questioned confirm this.

PLANT RESPONSE TO ORGONE ENERGY

By Maria Courie*

November 27, 1955

Last night, upon arriving home quite late (3:00 a.m. to be exact), I found that an especially beautiful plant, known as a "Croton," so the florist tells me, was nearly dead. Its leaves, some of them nine inches long, waxy and fluted and of various shades of red and green, and given to shooting out sharply from the stem so that the overall plant has a wide, mushroom-shape, were hanging parallel to the trunk, limp to the touch, and rather "soggy." It had the appearance of a closed umbrella, held upside down. I attributed this dying-process to the overheating of my apartment, and to the fact that I had neglected to leave a window open in my room during the nineteen hours of my absence. For some reason I was particularly distressed by the death of this plant, and decided to stay awake and see what I could do to nurse it back to health. Having tried watering sick plants before and finding such treatment somewhat beneficial but not always curative, I decided to place it in the orgone accumulator, without watering, and see what would happen.

Half-hour checks until six a.m. revealed a steady "sprucing up" of the leaves, and when I removed it shortly after six, the leaves were crisp and shooting sharply outward again, the color was stronger, and the overall aspect of the plant was that of great vigor. I then watered it and returned it to its usual position in the room. Tonight, some seventeen hours after its removal from the accumulator, the plant is still sturdy and beautiful, and shows no sign of illness despite the fact

* Free-lance writer, New York City.
that it has again spent the last twelve hours in an unairied, overheated room.

This is by no means the first time I have saved a plant by placing it in the orgone accumulator, but it is the first time that the return to health was so rapid, vigorous, and demonstrable in minute-segments of time. Last week I placed in the accumulator a dying fern-plant belonging to a friend who lives upstairs. She was quite impressed the next day when she saw the fresh new-green color of the plant (as if it had been washed by rain, although I had done nothing to it except place it in the accumulator), and with much enthusiasm pointed out to me that one shoot which had been merely a long, dead-looking string the day before was now a tender green and had tiny buds, roughly the size of very tiny peas, shooting out from it on all sides. The unquestionably dead leaves had fallen off and the partially-dead leaves had a new-green color in them. She said that the plant had a “perkiness” to it that it hadn’t had since it was new.

Everyone remarks on the beauty and vitality of my plants. I regularly place each of them in the accumulator, and friends are given to bringing sick plants to me to “restore.” No deaths yet. I also place fresh-cut flowers in the accumulator upon receipt, and also about every other day. My flowers last much longer than average, it seems. I also restored a partially-burned root that I found on an ash-can. After placing it in the accumulator (I was attracted by one small vein of green I had found running through it), it lost some of its wizened look. I then placed it in water and left it inside the accumulator for a few days. It is now a fine three-leaf philodendron, grown in water with plenty of fine roots, and there are no traces of the original burning left.
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