

HADLEY CANTRIL

The Invasion from Mars

The panic that resulted from Orson Welles's Halloween radio broadcast in 1938 shocked radio broadcasters as well as listeners. Listening now to the records of that broadcast, it seems impossible that any such result should have come from it. But people did panic, and some of them ran for the hills. A group of social scientists studied what happened and their report was published in a volume entitled *The Invasion from Mars*, by Hadley Cantril, Hazel Gaudet, and Herta Herzog. This paper is a summary of part of the larger volume; it explains the research team's conclusions as to why certain people panicked and others did not, and what there was in the broadcast and in the situation that made such a dramatic effect possible. This summary appeared first in Newcomb, Hartley, et al. *Readings in Social Psychology*, published and copyrighted by Henry Holt & Company (New York, 1947). It is reprinted here by permission of author and copyright holder. When this was written, the late Dr. Cantril was professor of psychology at Princeton.

ON THE EVENING of October 30, 1938, thousands of Americans became panic-stricken by a broadcast purported to describe an invasion of Martians which threatened our whole civilization. Probably never before have so many people in all walks of life and in all parts of the country become so suddenly and so intensely disturbed as they did on this night.

Such rare occurrences provide opportunities for the social scientist to study mass behavior. They must be exploited when they come. Although the social scientist unfortunately cannot usually predict such situations and have his tools of investigation ready to analyze the phenomenon while it is still on the wing, he can begin his work before the effects of the crisis are over and memories are blurred. The situation created by the broadcast was one which shows us how the common man reacts in a time of stress and strain. It gives us insights into his intelligence, his anxieties, anti his needs, which we could never get by tests or strictly experimental studies. The panic situation we have investigated had all the flavor of everyday life and, at the same time, provided a semi-experimental condition for research. In spite of the unique conditions giving rise to this particular panic, the writer has attempted to indicate throughout the study the pattern of the circumstances which, from a psychological point of view, might make this the prototype of any panic.

The fact that this panic was created as a result of a radio broadcast is today no mere circumstance. The importance of radio's role in current national and international affairs is too well known to be recounted here. By its very nature radio is the medium par excellence for informing all segments of a population of current happenings, for arousing in them a common sense of fear or joy, and for exciting them to similar reactions directed toward a single objective.

Because the social phenomenon in question was so complex, several methods were employed to seek out different answers and to compare results obtained by one method with those obtained by another. Much of our information was derived from detailed interviews of 135 persons. Over 100 of these persons were selected because they were known to have been upset by the broadcast.

Long before the broadcast had ended, people all over the United States were praying, crying, fleeing frantically to escape death from the Martians. Some ran to rescue loved ones. Others telephoned farewells or warnings, hurried to inform neighbors, sought information from newspapers or radio stations, summoned ambulances and police cars. At least six million people heard the broadcast. At least

a million of them were frightened or disturbed.

For weeks after the broadcast, newspapers carried human-interest stories relating the shock and terror of local citizens. Men and women throughout the country could have described their feelings and reactions on that fateful evening. Our own interviewers and correspondents gathered hundreds of accounts. A few of these selected almost at random will give us a glimpse of the excitement. Let the people speak for themselves.

"I knew it was something terrible and I was frightened," said Mrs. Ferguson, a northern New Jersey housewife, to the inquiring interviewer. "But I didn't know just what it was. I couldn't make myself believe it was the end of the world. I've always heard that when the world would come to an end, it would come so fast nobody would know--so why should God get in touch with this announcer? When they told us what road to take and get up over the hills and the children began to cry, the family decided to go out. We took blankets and my granddaughter wanted to take the cat and the canary. We were outside the garage when the neighbor's boy came back and told us it was a play."

From a small midwestern town came Joseph Hendley's report. "That Hallowe'en Boo sure had our family on its knees before the program was half over. God knows how we prayed to Him last Sunday. It was a lesson in more than one thing to us. My mother went out and looked for Mars. Dad was hard to convince or skeptical or sumpin', but he even got to believing it. Brother Joe, as usual, got more excited than he could show. Brother George wasn't home. Aunt Grace, a good Catholic began to pray with Uncle Henry. Lily got sick to her stomach. I don't know what I did exactly but I know I prayed harder and more earnestly than ever before. Just as soon as we were convinced that this thing was real, how pretty all things on earth seemed; how soon we put our trust in God."

Archie Burbank, a filling station operator in Newark, described his reactions. "My girl friend and I stayed in the car for a while, just driving around. Then we followed the lead of a friend. All of us ran into a grocery store and asked the man if we could go into his cellar. He said, 'What's the matter? Are you trying to ruin my business?' So he chased us out. A crowd collected. We rushed to an apartment house and asked the man in the apartment to let us in his cellar. He said, 'I don't have any cellar! Get away!' Then people started to rush out of the apartment house all undressed. We got into the car and listened some more. Suddenly, the announcer was gassed, the station went dead so we tried another station but nothing would come on. Then we went to a gas station and filled up our tank in preparation for just riding as far as we could. The gas station man didn't know anything about it. Then one friend, male, decided he would call up the Newark Evening News. He found out it was a play. We listened to the rest of the play and then went dancing."

Mrs. Joslin who lives in a poor section of a large eastern city and whose husband is a day laborer said "I was terribly frightened. I wanted to pack and take my child in my arms gather up my friends and get in the car and just go north as far as we could. But what I did was just set by one window prayin', listenin' and scared stiff and my husband by the other sniffin' and lookin' out to see if people were runnin'. Then when the announcer said 'evacuate the city' I ran and called my boarder and started with my child to rush down the stairs not waitin' to ketch my hat or anything. When I got to the foot of the stairs I just couldn't get out I don't know why. Meantime my husband he tried other stations and found them still runnin'. He couldn't smell any gas or see people runnin' so he called me back and told me it was just a play. So I set down still ready to go at any minute till I heard Orson Welles say 'Folks I hope we ain't alarmed you. This is just a play!' Then I just set! "

If we are to explain the reaction then we must answer two basic questions: Why did this broadcast frighten some people when other fantastic broadcasts do not? And why did this broadcast frighten some people but not others? An answer to the first question must be sought in the characteristics of this

particular program which aroused false standards of judgment in so many listeners.

No one reading the script can deny that the broadcast was so realistic for the first few minutes that it was almost credible to even relatively sophisticated and well-informed listeners. The sheer dramatic excellence of the broadcast must not be overlooked. This unusual realism of the performance may be attributed to the fact that the early parts of the broadcast fell within the existing standards of judgment of the listeners.

A large proportion of listeners particularly those in the lower income and educational brackets have grown to rely more on the radio than on the newspapers for their news. Almost all of the listeners who had been frightened and who were interviewed mentioned somewhere during the course of their retrospections the confidence they had in radio and the expectation that it would be used for such important announcements. A few of their comments indicate their attitude

"We have so much faith in broadcasting. In a crisis it has to reach all people. That's what radio is here for."

"The announcer would not say if it was not true. They always quote if something its a play."

As in many situations where events and ideas are so complicated or far removed from one's own immediate everyday experience that only the expert can really understand them, here, too, the layman was forced to rely on the expert for his interpretation.

The logical "expert" in this instance was the astronomer. Those mentioned (all fictitious) were Professor Farrell of the Mount Jennings Observatory of Chicago, Professor Pierson of the Princeton Observatory, Professor Morse of MacMillan University in Toronto, Professor Indellkoffer of the California Astronomical Society, and "astronomers and scientific bodies" in England, France, and Germany. Professor Richard Pierson (Orson Welles) was the Chief character in the drama.

When the situation called for organized defense and action the expert was once more brought in. General Montgomery Smith, commander of the state militia at Trenton, Mr. Harry McDonald, vice-president of the Red Cross, Captain Lansing of the Signal Corps, and finally the Secretary of the Interior described the situation, gave orders for evacuation and attack, or urged every man to do his duty.

This dramatic technique had its effect.

"I believed the broadcast as soon as I heard the professor from Princeton and the officials in Washington."

"I knew it was an awfully dangerous situation when all those military men were there and the Secretary of State spoke."

The realistic nature of the broadcast was further enhanced by descriptions of particular occurrences that listeners could readily imagine. Liberal use was made of the colloquial expressions to be expected on such an occasion. The gas was "a sort of yellowish green"; the cop warned, "One side there. Keep back I tell you"; a voice shouts "The darn thing's unscrewing." An example of the specificity of detail is the announcement of Brigadier General Montgomery Smith: "I have been requested by the Governor of New Jersey to place the counties of Mercer and Middlesex as far west as Princeton and east to Jamesburg, under martial law. No one will be permitted to enter this area except by special pass issued by state or military authorities. Four companies of state militia are proceeding from Trenton to Grovers

Mill and will aid in the evacuation of homes within the range of military operations."

The events reported proceeded from the relatively credible to the highly incredible. The first announcements were more or less believable, although unusual to be sure. First there is an "atmospheric disturbance," then "explosions of incandescent gas." A scientist then reports that his seismograph has registered a shock of earthquake intensity. This is followed by the discovery of a meteorite that has splintered nearby trees in its fall. So far so good.

But as the less credible bits of the story begin to enter, the clever dramatist also indicates that he, too, has difficulty in believing what he sees. When we learn that the object is no meteorite but a metal casing, we are also told that the whole pictured is "a strange scene like something out of a modern Arabian Nights," "fantastic," that the "more daring souls are venturing near." Before we are informed that the end of the casing is beginning to unscrew, we experience the announcers own astonishment: "Ladies and gentlemen, this is terrific! When the top is off he says, "This is the most terrifying thing I have ever witnessed.... This is the most extraordinary experience. I can't find words...."

The bewilderment of the listener is shared by the eye-witness. When the scientist is himself puzzled, the layman recognizes the extraordinary intelligence of the strange creatures. No explanation of the event can be provided. The resignation and hopelessness of the Secretary of the Interior, counseling us to "place our faith in God," provides no effective guide for action.

In spite of the realism of the broadcast, it would seem highly unlikely that any listener would take it seriously had he heard the announcements that were clearly made at the beginning of the hour. He might then have been excited, even frightened. But it would be an excitement based on the dramatic realism of the program. There would not be the intense feeling of personal involvement. He would know that the events were happening "out there" in the studio, not "right here" in his own state or his own country. In one instance a "correct" (aesthetically detached or dramatic) standard of judgment would be used by the listener to interpret events, in another instance a "false" (realistic or news) standard of judgment would be employed. Tuning in late was a very essential condition for the arousal of a false standard of judgment. To be sure, many people recognized the broadcast as a play even though they tuned in late. It is important to raise and to answer the question of how anyone who tuned in at the beginning could have mistaken the clearly introduced play for a news broadcast. Analysis of these cases reveals two main reasons why such a misinterpretation arose. In the first place, many people who tuned in to hear a play by the Mercury Theatre thought the regular dramatic program had been interrupted to give special news bulletins. The technique was not a new one after their experience with radio reporting of the war crisis in September, 1938. The other major reason for the misunderstanding is the widespread habit of not paying attention to the first announcements of a program. Some people do not listen attentively to their radios until they are aware that something of particular interest is being broadcast.

Tuning in late was very decisive in determining whether or not the listener would follow the program as a play or as a news report. For the story of the Martian invasion was so realistic that misinterpretation was apt to arise without proper warning signals.

In spite of the fact that many persons tuned in late to hear this very realistic broadcast, by no means all of them believed it was news. And not all of those who thought the invasion was upon them behaved the same way in the face of danger. Before we can understand the reasons for the varying behavior, the reactions must be arranged in some significant grouping. Otherwise no fruitful conceptualization is possible.

Classifying the listeners

1. THOSE WHO CHECKED THE INTERNAL EVIDENCE OF THE BROADCAST

The persons in this category were those who did not remain frightened throughout the whole broadcast because they were able to discern that the program was fictitious. Some realized that the reports must be false because they sounded so much like certain fiction literature they were accustomed to.

"At first I was very interested in the fall of the meteor. It isn't often that they find a big one just when it falls. But when it started to unscrew and monsters came out, I said to myself, 'They've taken one of those Amazing Stories and are acting it out.' It just couldn't be real. It was just like some of the stories I read in Amazing Stories but it was even more exciting."

2. THOSE WHO CHECKED THE BROADCAST AGAINST OTHER INFORMATION AND LEARNED THAT IT WAS A PLAY

These listeners tried to orient themselves for the same reasons as those in the first group – they were suspicious of the "news" they were getting. Some simply thought the reports were too fantastic to believe; others detected the incredible speeds revealed, while a few listeners checked the program just because it seemed the reasonable thing to do. Their method of verifying their hunches was to compare the news on the program to some other information.

"I tuned in and heard that a meteor had fallen. Then when they talked about monsters, I thought something was wrong. So I looked in the newspaper to see what program was supposed to be on and discovered it was only a play."

3. THOSE WHO TRIED TO CHECK THE PROGRAM AGAINST OTHER INFORMATION BUT WHO, FOR VARIOUS REASONS, CONTINUED TO BELIEVE THE BROADCAST WAS AN AUTHENTIC NEWS REPORT

Two characteristic differences separated the people in this group from those who made successful checks. In the first place, it was difficult to determine from the interviews just why these people wanted to check anyway. They did not seem to be seeking evidence to test the authenticity of the reports. They appeared, rather, to be frightened souls trying to find out whether or not they were yet in any personal danger. In the second place, the type of checking behavior they used was singularly ineffective and unreliable. The most frequent method employed by almost two-thirds of this group was to look out the window or go outdoors. Several of them telephoned their friends or ran to consult their neighbors.

There are several reasons why the checks made by these persons were ineffectual. For some of them, the new information obtained only verified the interpretation which their already fixed standard of judgment provided.

"I looked out of the window and everything looked the same as usual so I thought it hadn't reached our section yet."

"We looked out of the window and Wyoming Avenue was black with cars. People were rushing away, I figured."

"No cars came down my street. 'Traffic is jammed on account of the roads being destroyed,' I thought."

4. THOSE WHO MADE NO ATTEMPT TO CHECK THE BROADCAST OR THE EVENT

It is usually more difficult to discover why a person did not do something than why he did. Consequently it is more difficult for us to explain why people in this group did not attempt to verify the news or look for signs of the Martians in their vicinity than it was to determine why those who attempted unsuccessful checks displayed their aimless behavior. Over half of the people in this group were so frightened that they either stopped listening, ran around in a frenzy, or exhibited behavior that can only be described as paralyzed.

Some of them reported that they were so frightened they never thought of checking.

We were so intent upon listening that we didn't have enough sense to try other hook-ups "we were just so frightened."

Others had an attitude of complete resignation. For them any attempt to check up, like any other behavior, appeared senseless.

"I was writing a history theme. The girl from upstairs came and made me go up to her place. Everybody was so excited I felt as if I was going crazy and kept on saying, 'What can we do, what difference does it make whether we die sooner or later?' We were holding each other. Everything seemed unimportant in the face of death. I was afraid to die, just kept on listening."

Some felt that in view of the crisis situation, action was demanded. A few prepared immediately for their escape or for death.

"I couldn't stand it so I turned it off. I don't remember when, but everything was coming closer. My husband wanted to put it back on but I told him we'd better do something instead of just listen, so we started to pack."

Some listeners interpreted the situation in such a way that they were not interested in making a check-up. In a few instances the individual tuned in so late that he missed the most incredible parts of the program and was only aware of the fact that some kind of conflict was being waged.

"I was in my drugstore and my brother phoned and said, 'Turn the radio on, a meteor has just fallen.' We did and heard gas was coming up South Street. There were a few customers and we all began wondering where it could come from. I was worried about the gas, it was spreading so rapidly but I was puzzled as to what was actually happening, when I heard airplanes I thought another country was attacking us."

Why the Panic?

A variety of influences and conditions are related to the panic resulting from this particular broadcast. We have found no single observable variable consistently related to the reaction, although a lack of critical ability seemed particularly conducive to fear in a large proportion of the population. Personality characteristics made some people especially susceptible to belief and fright; the influence of others in the immediate environment caused a few listeners to react inappropriately. The psychological pattern revealed by these and other influences must be shown if we are to understand the situation as a whole and not have to resort exclusively to the understanding of single, isolated cases.

Why the Suggestion Was or Was Not Believed

What is most inconceivable and therefore especially interesting psychologically is why so many people

did not do something to verify the information they were receiving from their loudspeakers. The failure to do this accounts for the persistence of the fright. To understand any panic – whether the cause is a legitimate one or not – it is necessary to see precisely what happens to an individual's mental processes that prevents him from making an adequate check-up.

The persons who were frightened by the broadcast were, for this occasion at least, highly suggestible, that is, they believed what they heard without making sufficient checks to prove to themselves that the broadcast was only a story. Those who were not frightened and those who believed the broadcast for only a short time were not suggestible – they were able to display what psychologists once called a "critical faculty." The problem is, then, to determine why some people are suggestible, or to state the problem differently, why some people lack critical ability.

There are essentially four psychological conditions that create in an individual the particular state of mind we know as suggestibility. All these may be described in terms of the concept of standard of judgment.

In the first place, individuals may refer a given stimulus to a standard or to several standards of judgment which they think are relevant for interpretation. The mental context into which the stimulus enters in this case is of such a character that it is welcomed as thoroughly consistent and without contradiction. A person with standards of judgment that enable him to "place" or "give meaning to" a stimulus in an almost automatic way finds nothing incongruous about such acceptance; his standards have led him to "expect" the possibility of such an occurrence.

We have found that many of the persons who did not even try to check the broadcast had preexisting mental sets that made the stimulus so understandable to them that they immediately accepted it as true. Highly religious people who believed that God willed and controlled the destinies of man were already furnished with a particular standard of judgment that would make an invasion of our planet and a destruction of its members merely an "act of God." This was particularly true if the religious frame of reference was of the eschatological variety providing the individual with definite attitudes or beliefs regarding the end of the world. Other people we found had been so influenced by the recent war scare that they believed an attack by a foreign power was imminent and an invasion – whether it was due to the Japanese, Hitler, or Martians – was not unlikely. Some persons had built up such fanciful notions of the possibilities of science that they could easily believe the powers of strange superscientists were being turned against them, perhaps merely for experimental purposes.

Whatever the cause for the genesis of the standards of judgment providing ready acceptance of the event, the fact remains that many persons already possessed a context within which they immediately placed the stimulus. None of their other existing standards of judgment was sufficiently relevant to engender disbelief. We found this to be particularly true of persons whose lack of opportunities or abilities to acquire information or training had insufficiently fortified them with pertinent standards of judgment that would make the interpretation of the broadcast as a play seem plausible. More highly educated people, we found, were better able to relate a given event to a standard of judgment they knew was an appropriate referent. In such instances, the knowledge itself was used as a standard of judgment to discount the information received in the broadcast. These listeners, then, had the ability to refer to relevant standards of judgment which they could rely on for checking purposes and therefore had no need of further orientation.

A second condition of suggestibility exists when an individual is not sure of the interpretation he should place on a given stimulus and when he lacks adequate standards of judgment to make a reliable check on his interpretation. In this situation the individual attempts to check on his information but fails for one of three reasons. (1) He may check his original information against unreliable data which may themselves

be affected by the situation he is checking. We found that persons who checked unsuccessfully tended to check against information obtained from friends or neighbors. Obviously, such people were apt themselves to be tinged with doubt and hesitation which would only confirm early suspicions. (2) A person may rationalize his checking information according to the original hypothesis he is checking and which he thinks he has only tentatively accepted. Many listeners made hasty mental or behavioral checks but the false standard of judgment they had already accepted was so pervasive that their check-ups were rationalized as confirmatory evidence. For example, one woman said that the announcer's charred body was found too quickly but she "figured the announcer was excited and had made a mistake." A man noticed the incredible speeds but thought "they were relaying reports or something." Others turned to different stations but thought the broadcasters were deliberately trying to calm the people. A woman looked out of her window and saw a greenish eerie light which she thought was from the Martians. (3) In contrast to those who believe almost any check they make are the people who earnestly try to verify their information but do not have sufficiently well-grounded standards of judgment to determine whether or not their new sources of information are reliable.

A third and perhaps more general condition of suggestibility exists when an individual is confronted with a stimulus which he must interpret or which he would like to interpret and when none of his existing standards of judgement is adequate to the task. On such occasions the individual's mental context is unstructured, the stimulus does not fit any of his established categories and he seeks a standard that will suffice him. The less structured his mental context, the fewer meanings he is able to call forth, the less able will he be to understand the relationship between himself and the stimulus, and the greater will become his anxiety. And the more desperate his need for interpretation, the more likely will he be to accept the first interpretation given him. Many conditions existed to create in the individuals who listened to the invasion from Mars a chaotic mental universe that contained no stable standards of judgment by means of which the strange event reported could be evaluated. A lack of information and formal educational training had left many persons without any generalized standards of judgment applicable to this novel situation. And even if they did have a few such standards these were vague and tenuously held because they had not proved sufficient in the past to interpret other phenomena. This was especially true of those persons who had been most adversely affected by the conditions of the times.

The prolonged economic unrest and the consequent insecurity felt by many of the listeners was another cause for bewilderment. The depression had already lasted nearly ten years. People were still out of work. Why didn't somebody do something about it? Why didn't the experts find a solution? What was the cause of it anyway? Again, what would happen, no one could tell. Again, a mysterious invasion fitted the pattern of the mysterious events of the decade. The lack of a sophisticated, relatively stable economic or political frame of reference created in many persons a psychological disequilibrium which made them seek a standard of judgment for this particular event. It was another phenomenon in the outside world beyond their control and comprehension. Other people possessed certain economic security and social status but wondered how long this would last with "things in such a turmoil." They, too, sought a stable interpretation, one that would at least give this new occurrence meaning. The war scare had left many persons in a state of complete bewilderment. They did not know what the trouble was all about or why the United States should be so concerned. The complex ideological, class, and national antagonisms responsible for the crises were by no means fully comprehended. The situation was painfully serious and distressingly confused. What would happen, nobody could foresee. The Martian invasion was just another event reported over the radio. It was even more personally dangerous and no more enigmatic. No existing standards were available to judge its meaning or significance. But there was quick need for judgment, and it was provided by the announcers, scientists, and authorities.

Persons with higher education, on the other hand, we found had acquired more generalized standards of judgment which they could put their faith in. The result was that many of them "knew" that the

phenomenal speeds with which the announcers and soldiers moved was impossible even in this day and age. The greater the possibility of checking against a variety of reliable standards of judgment, the less suggestible will a person be. We found that some persons who in more normal circumstances might have had critical ability were so overwhelmed by their particular listening situation that their better judgment was suspended. This indicates that a highly consistent structuration of the external stimulus world may, at times, be experienced with sufficient intensity because of its personal implications to inhibit the operation of usually applicable internal structurations or standards of judgment. Other persons who may normally have exhibited critical ability were unable to do so in this situation because their own emotional insecurities and anxieties made them susceptible to suggestion when confronted with a personally dangerous circumstance. In such instances, the behavioral consequence is the same as for a person who has no standards of judgment to begin with, but the psychological processes underlying the behavior are different.

A fourth condition of suggestibility results when an individual not only lacks standards of judgment by means of which he may orient himself, but lacks even the realization that any interpretations are possible other than the one originally presented. He accepts as truth whatever he hears or reads without even thinking to compare it to other information.

Why Such Extreme Behavior?

Granted that some people believed the broadcast to be true, why did they become so hysterical? Why did they pray, telephone relatives, drive at dangerous speeds, cry, awaken sleeping children, and flee? Of all the possible modes of reaction they may have followed, why did these particular patterns emerge? The obvious answer is that this was a serious affair. As in all other panics, the individual believed his well-being, his safety, or his life was at stake. The situation was a real threat to him. Just what constitutes a personal threat to an individual must be briefly examined.

When an individual believes that a situation threatens him he means that it threatens not only his physical self but all of those things and people which he somehow regards as a part of him. This ego of an individual is essentially composed of the many social and personal values he has accepted. He feels threatened if his investments are threatened. He feels insulted if his children or parents are insulted, he feels elated if his alma mater wins the sectional football cup. The particular pattern of values that have been introcepted by an individual will give him, then, a particular ego. For some individuals this is expanded to include broad ideals and ambitions. They will be disturbed if a particular race is persecuted in a distant country because that persecution runs counter to their ideal of human justice and democracy; they will be flattered if someone admires an idea of theirs or a painting they have completed.

A panic occurs when some highly cherished, rather commonly accepted value is threatened and when no certain elimination of the threat is in sight. The individual feels that he will be ruined, physically, financially, or socially. The invasion of the Martians was a direct threat to life, to other lives that one loved, as well as to all other cherished values. The Martians were destroying practically everything. The situation was, then, indeed a serious affair. Frustration resulted when no directed behavior seemed possible. One was faced with the alternative of resigning oneself and all of one's values to complete annihilation, or of making a desperate effort to escape from the field of danger, or of appealing to some higher power or stronger person whom one vaguely thought could destroy the oncoming enemy.

If one assumed that destruction was inevitable, then certain limited behavior was possible: one could cry, make peace with one's Maker, gather one's loved ones around and perish. If one attempted escape, one could run to the house of friends, speed away in a car or train, or hide in some gas-proof, bomb-proof out-of-the-way shelter. If one still believed that something or someone might repulse the enemy, one could appeal to God or seek protection from those who had protected one in the past. Objectively,

none of these modes of behavior was a direct attack on the problem at hand; nothing was done to remove the cause of the crisis. The behavior in a panic is characteristically undirected and, from the point of view of the situation at hand, functionally useless.

In short, the extreme behavior evoked by the broadcast was due to the enormous ego-involvement the situation created and to the complete inability of the individual to alleviate or control the consequences of the invasion. The coming of the Martians did not present a situation where the individual could preserve one value if he sacrificed another. It was not a matter of saving one's country by giving one's life, of helping to usher in a new religion by self-denial, of risking the thief's bullet to save the family silver. In this situation the individual stood to lose all his values at once. Nothing could be done to save any of them. Panic was inescapable. The false standard of judgment used by the individual to interpret the broadcast was not itself the motivational cause of the behavior, but it was absolutely essential in arousing the needs and values which may be regarded as the sources of the actions exhibited. A false standard of judgment aroused by the broadcast and causing the individual to be disturbed had its roots in values which were a part of the ego. **[The End]**