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INTRODUCTION

ORTHODOX SCIENCE AND THEOLOGY TO BE REPLACED IN NEW AGE

By Dr. George Hunt Williamson

Dr. Williamson is the well known author of such books as ROAD IN THE SKY, THE SAUCERS SPEAK, UFOS CONFIDENTIAL, SECRET PLACES OF THE LION and OTHER TONGUES, OTHER FLESH.

The word "orthodox" implies a standard of truth, so that conformity with it is right, and divergence from it error; but the standard itself may vary from age to age.

We can look back into history and see many examples of how orthodox views gave way to new knowledge. Most of these changes did not take place overnight. The example, well known to every school child, is the story of Columbus and how the great scientists of his day called him a crazy fanatic for believing Earth was round. This idea was not Columbus' own, for it had been circulated among the ancients for thousands of years; yet, the majority of the people in the world did not embrace this theory until only a few hundred years ago. In fact, there are still people today who believe Earth to be flat!

Many so-called prophets today are foretelling horrible destruction and doom for the people of Earth. They claim life is eternal, yet they fear the transition called "death". The space friends are here to help us, not to destroy us. . . and although there are going to be vast changes taking place from time to time on the physical, mental and spiritual planes, still only the good is to be inherited by man on this sorrowful planet!

Earthman has reached the stage in his evolution where he must be shown that he is not merely a lonely accident on one world only. His brothers and sisters exist on literally billions and billions of worlds in the Omniverse! As we come more and more under the beneficent rays of Aquarius, cosmic-ray bombardment will become more intensified and EVERYTHING on our planet will be changed vibrationally.

For centuries, Theology has battled Science, and vice versa. What they are arguing about is not known, for the two are really one, and will become one in the "Golden Dawn" approaching rapidly. All former theories will be

discarded. . .or at least improved upon. We will know definitely where we have been inaccurate in the past and why! Truth will not contradict Truth. Therefore our Philosophy of Life will be built on a science that recognizes a Creator of the Cosmos and a Divine Plan working everywhere!

No longer will we be required to follow certain ritualistic practices or believe certain dogma in order to get into "heaven". On the other hand, we will no longer have to swing to the other side of the road to embrace the cold, bare facts of materialistic science. In short, we are about to "level off" or "get in balance".

Matters are what they are because of certain unstable or unbalanced conditions on the Earth planet. With the help of our space friends we are about to enter a "Golden Age", but it won't happen by the time you read this article. We are even now in transition and it won't be very long before those thought to be "psychic fanatics", will find they are no longer in the minority! Call this New Age a new dispensation, a Golden Dawn or Age, a new density or dimension or Aquarius. . .it really doesn't matter. . .the important thing is. . .IT IS HERE!

There is another battle going on, and that is the West Coast cold-war of the "ETHERIANS" and the "MATERIALISTS". Actually, there is no point of argument, just as there isn't in the eternal science-versus-religion fracas.

If you will read the theories of these researchers, I'm certain you will see no contradiction, unless it lies in the terminology of these various groups of individuals! I think it all stems from our archaic idea of what the word "ether" or "etheria" means. Upon hearing these words we immediately think of "nothingness", absence of all except thought, etc. Now we realize that space and ether are one and the same thing, and all of us, whether on Earth or some other world are inhabitants or occupants of this medium! Vibrations here or there may be different, but all beings are "solid" when in their own environment.

As I said in previous articles and books, LET'S FORGET DIFFERENCES (which really don't exist) AND WORK TOGETHER FOR ALL MEN EVERYWHERE!

Yes, scientific and theological dogma will take a "death blow", but science itself and the belief in a Creator will go on to greater revelations in the "Golden Dawn". May our Infinite Father guide us always, and may we stand in His Light!

ABOUT THE AUTHOR

By Timothy Green Beckley

Wilbert Brockhouse Smith was born in Lethbridge, in the province of Alberta, Canada, on the 17th of February, 1910. Early in life he displayed an eager interest in the nature of things and at the age of 15 wrote a treatise on the concept of perpetual motion. He was also the author of several scientific novels. After having obtained his B.Sc. and M.Sc. degrees in Electrical Engineering from the University of British Columbia, he joined the staff of radio station C.J.O.R., Vancouver, in 1935, where he remained for four years and became chief engineer. In 1939 he joined the Department of Transport of Canada, where he continued his work in the broadcasting field and deserved much credit in advancing the technical aspects of broadcasting in Canada. He participated in the development of Frequency Modulation and television broadcasting agreements between Canada and the United States. During World War II he was responsible for the establishment of a network of ionospheric measurement stations throughout Canada. In 1957 he was appointed superintendent of Radio Regulations Engineering, responsible for the engineering aspects of all matters concerning the use of radio in Canada, including equipment standards, radio relay systems, broadcast facilities and interference studies.

In December, 1950, following his request to the Department of Transport, Project Magnet was authorized and permission granted to make use of the Department's laboratory and field facilities, in a study of Unidentified Flying Objects and the physical principles which might be involved. Unfortunately, the program was plagued by well-meaning but misguided journalists, to an extent where those who were involved in the project, and the Department, found themselves in an embarrassing position. Project Magnet was therefore officially dropped in 1954 and continued to operate strictly as a private venture.

His interest in UFOs was but one aspect of his activities. Although a skeptic by nature, he welcomed new ideas and encouraged their discussion. His investigations carried him into the fields of physics, philosophy and religion. As an engineer, he was foremost in his field and the holder of several patents. He undertook a thorough study of gravity and devised

several gravity control experiments which produced limited but encouraging results. His correspondence was voluminous. The depth of his insight was well reflected in both his correspondence and his conversation and he was known for his ability to express himself clearly and convincingly on a wide variety of subjects, both orthodox and unorthodox.

In June 1942 Wilbert married Murl James. They took up residence at 10 Lotta Street, City View, on the outskirts of Ottawa in 1950, where Murl still lives with their three children.

The last ten years of Wilbert's life were devoted to intensive thought and study. Several of his ideas he formulated into a manuscript entitled "The New Science".

As will be known to many readers, it was discovered in May of 1962 that Wilbert Smith was afflicted with cancer and after a valiant struggle, he died on December 27, 1962, at the age of 52.

Timothy Green Beckley

FOREWORD

THE SPACE BROTHERS' PHILOSOPHY-AND WILBERT B. SMITH

By the Editors of TOPSIDE

Since the passing of our founder and the original editor of TOPSIDE, the late Wilbert B. Smith, in December, 1962, it has been part of the editorial policy of TOPSIDE to pass on to its readers messages purporting to come from the Space Brothers as received through contacts established by WBS during his lifetime on Earth and to maintain his scientific approach in the method of obtaining these messages, i.e., for each message or statement received, further confirmation is sought from two other independent sources via a network of telepathic contactees across the world, and it is interesting to note that frequently some of these so-called "contactees" are unaware that they are acting in this capacity and proffer the necessary confirmation unasked.

The Space Brothers often work this way, using any sincere, receptive channel through whom to pass on valuable information. Any dedicated UFO worker may be assured that his or her services, either consciously or unconsciously, are being effectively used by those of the space people concerned with the welfare of their Earth Brother, as part of the Great Plan to enlighten mankind on Earth and prepare it for the wider horizons of the New Age. This statement is part of the Space Brothers Philosophy as received by Wilbert B. Smith.

In recent years, there have appeared in print a couple of articles questioning the validity of WBS's claims. One of these appeared in the July-August 1966 issue of "Flying Saucer Review" which, based on an evasive reply received from a Canadian Government Department, cast doubts on the UFO research work conducted by WBS in the Canadian Government's "Project Magnet", set up at Shirley's Bay, near Ottawa, in December 1950, and officially closed in October, 1954. In fairness to "Flying Saucer Review", it must be added that an appeal was made for a refutation or clarification of these doubts from Canada, but, at that time, for a very valid reason, we (mainly government employees) were not in a position to provide this, even though we had the evidence to substantiate WBS's statements.

The other article was one that appeared in the Canadian syndicated publication, "Week-End Magazine", of Nov. 12, 1966, in which the intended

slur of "Spiritualism!" was flung at WBS's contacts with the space people and TOPSIDE was accused of "reflecting his interest in the occult". It will be noted from the dates, that these two courageous writers (who shall remain nameless here) and their supporting government quotees, waited until WBS was no longer around to defend his good name, but this, alas, has ever been the lot of men with ideas and concepts in advance of their time who dared to "rock the boat" of the Establishment.

Hitherto, we had decided to treat these disparaging remarks with the silent contempt they deserved, believing—(a) that they emanated from unenlightened men not in possession of the full facts or were quoted by government officials who, with perhaps an understandable eye on their positions, decided to "play it safe" by following the government "party line" of the UFO policy of that time; and (b) that Wilbert Smith's established record as a senior government official, i.e., Chief of Telecommunications and Electronics Branch, Department of Transport, his distinguished career, with awards and honors, in the field of Technical Aspects of Broadcasting (including the development of Frequency Modulation and television broadcasting agreements between Canada and the U.S.A.), his scientific work as an inventor and holder of several patents, and above all, his high reputation as a man of complete sincerity and integrity—would stand on their own merits.

However, in view of the fact that an oblique challenge has been thrown at us in print, questioning "our guts to speak out in defense of Wilbert Smith", we think the time has come for a little plain speaking. In this regard, we refer to an article entitled "In Defense of Wilbert Smith" written by our esteemed UFO colleague, Ronald Caswell, Director of IGAP-Great Britain, which appeared in the December, 1967, issue of "UFO Contact". In fairness to the ONSC, it should be pointed out that Ron Caswell, writing from England, has been in a much better position to speak out openly than we, working for the Government of Canada in Ottawa, have been. He is also very well qualified to do so because during his three-year residence in Canada in the 1950s, he was a close associate of WBS and exchanged considerable correspondence with him. Extracts from this correspondence and some hitherto unpublished material concerning WBS appear in his article, which is informative, well-written, well-presented—and it pulls no punches.

For our part, we are prepared to support Ronald Caswell's Defense of Wilbert Smith, with the following remarks. With regard to the doubts expressed on WBS's UFO role in Project Magnet, with the Canadian Government's recent pronouncement confirming this, a barrier has been removed to our speaking more openly on this matter. As reported in the July, 1967 issue of TOPSIDE, the Canadian Government (with what appeared to be a change in its UFO policy) released to the press, through one of its Cabinet Ministers, the Hon. Paul Hellyer (at that time, Minister of

Defense), details of a hitherto secret UFO project, namely the establishment of a UFO landing site at its Defense Research Board Experimental Station in Suffield, Alberta, making mention of an earlier special scientific committee set up in Canada to investigate UFOs, of which WBS was a member. It was further stated that as a part of Project Magnet, WBS set up specially designed apparatus detecting UFOs passing overhead. This official statement, we consider, should effectively silence the "Doubting Thomases" who attempted to discredit WBS's UFO research work in this government project, once and for all. We may add that evidence exists of the official closing-down of the UFO side of Project Magnet, after which WBS continued this work on a private basis, with permission to use government laboratory facilities, etc., on his own time and at no cost to the Treasury.

As for the charge of "Spiritualism", this, of course, is a lot of nonsense, and it is somewhat amusing to observe the way in which some scientists, whose closed minds cannot grasp anything beyond their measurable 5 senses, use this expression almost as if it were a dirty word! Like WBS, we in the Ottawa New Sciences Club endeavor to keep an open mind on all subjects and therefore we do not deny whatever truth there may be in Spiritualism, but the fact remains that we are not and never have been practicing spiritualists or occultists. Let it therefore be categorically stated that Wilbert Smith, first and foremost a scientist, never dabbled in spiritualist activities; his profound study of the UFO Mystery led him inevitably to the Science of Metaphysics at which, having an open mind eager to learn all truths, he became an Advanced Adept and it was by this means that he secured invaluable scientific and philosophic data from the Space Brothers, always using the scientific method of independent confirmation of information received, as described earlier.

These messages were received by a specially-selected intermediary through direct telepathic communication with the Space Brothers—and since mental telepathy and ESP are now accepted facts by many Earth scientists who have made a serious study of these phenomena, it should not be too difficult for skeptics to accept that if thought transference is possible at great distance on this planet, then the exchange of pure thought between any intelligent beings must be equally possible throughout the wider distance of Outer Space. Natural Laws of the Cosmos are not confined to this planet alone.

In regard to the scientific data WBS obtained from his space friends, "The Boys from Topside", he was able to test their genuineness and practical workability by protracted tests and experiments in the laboratory, and in this connection it should be pointed out that since it is against the Cosmic Laws of the Space Brothers to drop *unearned* answers to scientific questions into the laps of Earth scientists, all that WBS received from them were certain guidelines or suggested avenues of research for him to explore and the actual work of finding the answers to scientific problems was left to WBS

to fathom out. Always, the Space Brothers were helpful, quick to point out when he was on the wrong track and offering further suggestions of approach to the solution of a problem; but never once did they spell out the complete answer. This would have been contrary to the Universal Law that there is no virtue or merit to anything that is not achieved by personal effort. However, by diligent research and many experiments on a trial or error basis, WBS eventually proved much of the truth of the scientific data conveyed to him by the Space Brothers, and unique inventions resulted. Some of these devices, thoroughly tested and proved accurate in results by WBS and his group, have regrettably remained unacceptable to Earth scientists because of their unorthodox origin, but the day may yet dawn when they will be used for the benefit of humanity. It may interest our readers to learn that the specially-selected contactee used by the Space Brothers to pass on purely scientific data for WBS, invariably found this information completely unintelligible—but it proved most pertinent to and was clearly understood by WBS. It is a strange fact, but since the passing of WBS, this particular channel has never been used again, which would seem to indicate proof-positive of the genuineness of the contact. Conversely, the contactee channels supplying information on the Space Brothers' *Philosophy* remain open to us—proof that we still have a job to do. Our space friends are wonderfully logical!

We would reiterate then, that WBS was *not* a spiritualist in the sense interpreted by the vast masses. He was a pioneer scientist, perhaps in advance of his Age, an indefatigable searcher for advanced scientific truths—and he was too intelligent a man to seek such truths by communication with the so-called “dead” whose knowledge of such matters might conceivably be less than his own. With the advent of increased UFO activity around this planet in the 1950s, WBS, at first an extreme skeptic, made an intensive study of the mystery and finally became convinced of the reality of extraterrestrials visiting Earth in spacecraft of superior technology capable of performing feats which defied our present knowledge of physics. Unable to find the answer to the mystery on the physical plane, he was led to the Science of Metaphysics which, in turn led to direct communication with the Space Brothers and knowledge of their Philosophy, and there, to quote his own words, “was the answer in all its grandeur!”

We feel it safe to predict that, in the annals of recent UFO history, Wilbert B. Smith's name will remain untarnished as a man of great integrity, as an early world pioneer of the truth of the UFOs, who, particularly in those early years of ridicule and scorn, had the indomitable courage of his own convictions and who tackled the Biggest Enigma of the Century with a purely scientific approach.

EDITOR'S NOTE

The following chapters written by Wilbert B. Smith during his leadership in the Ottawa New Sciences Club express many of his views on the subjects of Flying Saucers, Life on Other Planets, Canada's Project Magnet, and the philosophy of the space brothers.

CHAPTER ONE

THE REALITY OF SPACECRAFT

I have been actively engaged in the investigation of the group phenomena known as flying saucers for several years. During this period I have read most of the available literature on the subject, interviewed a great many people who have seen unusual things in the sky, examined many pictures and physical objects, made observations with scientific instruments and carried on a series of communications with intelligences claiming to be extraterrestrial. I began the investigations out of curiosity and as an extreme skeptic, fully expecting to find the phenomena to be due to man-made or natural causes.

I am 48 years old, hold a Master's Degree in Electrical Engineering, occupy a responsible position in the Canadian Government, hold a half dozen patents, am author of several technical papers, and in general enjoy a background in technical work and science indicating at least an average competence to study and report on phenomena of a scientific nature. I have tried so far as possible to use conventional and standard methods and equipment to investigate all possible angles before drawing any conclusions. In other words, I have followed the same general procedures which I would have followed if I had undertaken to study some more prosaic subject, such as radio wave propagation.

The first phase of the work consisted of reading all available literature, collecting as much observational data as possible, and in general getting a fair perspective of the problem. The second phase involved theoretical and laboratory work to find openings in our technology and to establish relevant reference points, and the third phase involved following up the many and varied leads which developed from the first two phases.

I do not intend to dwell on the first phase of this work as my experience was quite parallel with that of other investigators who have provided

became apparent that there was a very real and quite large gap between this alien science and that in which I had been trained. Certain crucial experiments were suggested and carried out, and in each case the results confirmed the validity of the alien science. Beyond this point the alien science just seemed to be incomprehensible.

There followed a period of soul searching during which many doubts were raised. We felt that we had established the reality of the craft from elsewhere, and of the intelligences associated with them, and while we were able to establish that these people all told the same story, was that story the truth? There existed some pretty good evidence to support their statements, and precious little with which to disprove them, but we did not overlook the possibility that there might be some other more conventional explanation. We looked carefully at every conventional explanation we could find, but they all fell quite short of the mark. If the whole thing were a delusion, then quite a large number of people must be suffering from the same delusion, and an externalized delusion into the bargain. If it were a hoax, then it was by far the most gigantic hoax the world had ever known, and to what end, and by whom perpetrated, and who was putting up the money because some of the "evidence" must have cost a pretty penny to produce. The inevitable conclusion was that it was all real enough, and that these people from elsewhere were probably just what they claimed to be. The science however was definitely alien and possibly forever beyond our comprehension. So another approach was tried, the philosophical, and here the answer was found in all its grandeur! I will not go into detail on the many revisions in ideas and basic thinking which had to be undergone, beyond stating that there were indeed, many.

The people from elsewhere displayed great patience and understanding in helping me to overcome many of the prejudices and stores of misinformation which I had spent many years accumulating. I began for the first time in my life to realize the basic ONENESS of the Universe and all that is in it. Science, philosophy, religion, substance, and energy are all facets of the same jewel, and before any one facet of the jewel can really be appreciated, the form of the jewel itself must be perceived.

One of the most important things I had to realize was that we are not alone. The human race in the form of MAN extends throughout the Universe and is incredibly ancient. Also, its appearance in physical form is but one of its many manifestations along the path of progress. Our civilization here on Earth is only one of the many that have come and gone. This planet has been colonized many times by people from elsewhere, and our present human race are blood brothers of these people. Is it any wonder that they are interested in us? To orthodox thinkers this may seem strange, but not nearly so strange as our ideas on evolution!

The question might be asked, "If these people really are our brothers and

extensive published reports of their findings. Nor will I dwell on the many dead ends which were explored, which looked promising at first but faded out under careful investigation. Nor will I be able to be as specific as I would like to be with respect to material given to me in confidence or which came to me through "classified" channels. Furthermore, it is not my intention to try and convert anyone to my way of thinking, but merely to state what I believe and why I believe it.

Let us look at a few facts.

(1) Hundreds of normal honest people have seen lights in the sky which behaved like no light normally seen in the sky ought to behave.

(2) Hundreds of normal honest people have seen what appear to be solid real objects in the sky which behaved like no object normally seen in the sky ought to behave.

(3) Hundreds of people have seen objects in Earth's atmosphere at sufficiently close range to see enough detail to enable them to say definitely what the objects were not, even though they could not identify what they were.

(4) Descriptions of these objects from observers where circumstances virtually preclude collusion, check quite well among themselves and against data received from other sources.

It is not reasonable to assume that hundreds of ordinary normal people whose word we would readily accept under more mundane circumstances, for instance as witnesses to an automobile accident, should suddenly become liars, fools, neurotics, and otherwise quite incompetent observers. I have interviewed many of these people myself and I am convinced that they are sane sober, honest folk who are reporting as best they can something which they really did witness. I will concede that maybe some of these people did not do as good a job of observing as someone who was better trained might have done, but within their limits I believe they did honestly report what they saw.

Let us look at a few more facts.

(1) There have been several close brushes with these objects and in one case at least the aircraft pilot lost his life as a consequence. (Capt. Thomas Mantell was reported killed as a result of chasing a flying saucer on January 7, 1947).

(2) People who have been near these objects have described physical sensations which are unusual to say the least, but which are quite consistent with what is known of the technology under which they operate.

While the foregoing may seem rather incredible, nevertheless there exist quite good records in support of these occurrences. Furthermore, the technology of which we have been able to get a glimpse, namely that of manipulation of the three basic fields, electric, magnet and tempic, indicates quite a straightforward answer to an explanation of these phenomena. In

is demonstrated to us by the presence of the spacecraft and our brothers from elsewhere.

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are interested in our welfare, why do they remain so aloof?" We have been given the answer. There is a basic law of the universe which grants each and every individual independence and freedom of choice, so that he may experience and learn from his experiences. No one has the right to interfere in the affairs of others. In fact, our Ten Commandments are directives against interference. If we disregard this law we must suffer the consequences, and a little thought will show that the present deplorable world state is directly attributable to violation of this principle.

These people from elsewhere have much greater knowledge than we have regarding the sequences which must not be altered, and while they may have every desire in the world to help us, they may not do so at this time without running the risk of altering significantly sequences which are very necessary to our development. Therefore, while they stand by ready, able and willing to help us, they may not do so until a propitious time of which they will be informed in due course. The dividing line between help and interference is very delicate indeed and sometimes hard to perceive, but it is a mark of individual and collective progress how well we can be guided by it.

I am told that one of our difficulties is that we do not recognize a sufficient number of dimensions and make use of them in our science. Furthermore, we do not recognize the true nature of dimensions or their place in the universe. I am told that so far as we are concerned there are twelve dimensions, and these provide the necessary and sufficient structure for the entire universe. Our concepts of dimensions are most inadequate and restrictive, and so long as we persist in them we can never transcend the world of mechanical processes which we have conjured up.

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In science we have an established procedure always to tie a new theory or discovery, or observation to that which we already know, even though to do so requires extensive "patchwork" and "perturbation" factors to be applied to our existing knowledge to make the new knowledge fit. We invariably assume that the new knowledge must somehow be closely related to the old and we are most zealous in tying the two together. As a consequence we bend and warp our units of knowledge so that we can fasten them together whether or not they belong together, until we have fabricated quite a structure which is almost completely closed on itself. Consequently, when we do find knowledge which should, but just won't fit our structure, we don't quite know what to do with it, so we usually reject it.

I am informed that science is really much more simple than we imagine, and all the component parts fit together perfectly without any corrections. Possibly, we should start over again and reassemble our knowledge in a different pattern, and this time fit the pieces of the jigsaw puzzle together properly without trimming the pieces. I feel sure that were we to do this, and accept the philosophy upon which this new approach must of necessity be based, we will be able to enjoy the technology and the way of life which

CHAPTER TWO

WE ARE NOT ALONE

Our universe is a very large place, much larger than our minds are capable of understanding. There are several billions of stars in our own Milky Way alone, and there are millions of similar galaxies scattered throughout space and within range of our large telescopes. The universe is also incredibly old. Our Earth alone is estimated to be several billion years old, and it is presumed that the stars are much older. Maybe the universe doesn't even have an age; perhaps it is eternal and ever passing through the cycle of energy to matter and matter to energy. The episode of Man on this planet, so far as we can determine, is relatively an extremely small portion of the larger time that the universe has existed, and the period of recorded history is relatively even shorter.

We consider the race of Man to be native to this planet and to have evolved here from lower life forms. We look upon our present civilization with pride and realize that we have accomplished much, particularly in the last few centuries. Even in the past few decades we have made tremendous progress in certain directions. Therefore, it is only natural that we should be egotistical about our position in the universe. But are we alone? Are there not others in the universe who, also, have progressed? The universe is very large and has been here a long time.

In the past few years we have taken our first faltering steps out into the vastness of space, first through the Sputniks and now through manned space flight. There is no doubt that we can do it, and if we can refrain from blowing ourselves to glory with atom bombs, we most certainly will do it. In the light of our present technology, and not allowing for any basic new discoveries, our time table calls for interplanetary space travel well before the year 2,000 and a good possibility of inter-stellar trips being initiated shortly thereafter.

Our space travel plans include exploration, exploitation and colonization of the other planets, so far as this may be possible, and there is no doubt that this thinking will be extended to the planets attached to other stars as soon as we can arrange to get there. Mankind has always been an adventuresome creature, exploring, conquering, colonizing and exploiting,

and there is little reason to think that his future actions will be much different from those in his past.

Our large telescopes indicate low order perturbations in the positions of several of the nearer stars, such as could be accounted for by the presence of large planets, and if there are large ones there will probably be smaller ones also. In fact, it is generally agreed now that planets attached to stars are more probably the rule than the exception, and that we will eventually find the heavens filled with all sorts of primary and secondary bodies.

When we consider the extent, the age, and the opportunity of the universe, and the fact that we do have intelligent life here on this planet, it is only reasonable to speculate that somewhere else in the universe and the eternity of time, other intelligent life could have blossomed forth. Since we have made such rapid progress toward space travel in such a short time, a differential of only a few hundred or at the most a few thousand years between the development on some other planet and ours could easily have resulted in a race capable of doing right now what we plan to do in the near future. Furthermore, it is quite possible that such a race may have reached this critical point eons ago, and to them space travel is as commonplace as the wheeled vehicle is to us.

Now, if this should be the case, and this alien race were anything like us, they would probably set forth to explore and colonize as rapidly as their means would permit. It is rather obvious that, even with the speeds of travel available to us, it would be much quicker to colonize the universe than to wait for Nature to evolve separate races in each and every favorable environment. In fact, intelligent races might even set about accelerating environmental conditions to their liking, seeding and stocking planets with appropriate life forms, and watching over them while they develop.

The foregoing is not just idle speculation, since we have a great deal of evidence that something like this is actually happening. The Darwinian theory of evolution shows certain relationships between the various life forms which inhabit this planet, but there is very little evidence to indicate that they all evolved here. Maybe some of them did, but a more reasonable explanation is that they were brought here when the planet was in suitable condition to receive them. Recent spectroscopic observations of the reflected light from Mars shows the presence of vegetation which synthesizes sugar, thus making it closely related to much terrestrial vegetation. Radio telescopes are picking up all sorts of radio noises from the sky, many of which are so systematic as to preclude natural origin. Peculiar markings, light flashes, and cloud or dust formations have been seen on Mars and our moon. And, most significant of all, the craft of these alien beings have been seen near, and on, Earth!

Legends and history abound in stories of visits to Earth by beings from the sky; beings which came in strange craft capable of the most

extraordinary performance, and who themselves possessed great powers or had at their command strange forces, much beyond the understanding of the simple folk who witnessed these things. There is much evidence that this has gone on all through the ages, and is going on right now. With excellent news gathering and disseminating means at our disposal, very little happens anywhere in the world which is not reported, and, if it is of sufficient interest, gets wide publicity. During the last ten years or more there has been much publicity about flying saucers and thousands of reports have been made of sightings of these strange objects in our skies. But this is not an exclusively recent phenomenon; only the publicity is recent. Ever since we have had newspapers there have been similar reports, but the absence of news services until recent times usually confined the details to a few local papers, and searches of old newspaper files confirm that flying saucers are old stuff.

The tense international situation in recent years has made everyone jittery and anything in the skies which could not be established as known and friendly was regarded with suspicion. Consequently, procedures, projects, and publicity combined to make the whole subject of flying saucers appear quite out of perspective. Instead of recognizing them for what they probably really were, they became a ward of the military, and since the military are charged only with the defense of a country, their interests waned when they had established the fact that the saucers apparently were not hostile. But in order to arrive at this conclusion they collected much data, classified it, and buried it so effectively that no one else could get at it, and those who might have been able to sort the matter out found themselves deprived of the basic data and had to content themselves with the bit which escaped the clutches of the military. However, on the basis of this material some rather startling conclusions have been reached.

Thousands of people have seen lights and apparently solid objects in the sky which behave as no light or object normally seen in the sky ought to behave. Thousands have seen these objects under circumstances which enabled them to say definitely what they were not, even though they were unable to say what they were. Reliable photographs and movies have been taken, and bits of "hardware" collected which cannot be explained away without challenging the integrity of many witnesses. Simultaneous visual sightings and radar fixes exist in a great many cases, and there is quite a bit of evidence of physical contact with these strange craft.

In several instances reliable people have reported seeing the beings who ride about on these craft, and they say they look just like us. There are quite a number of reported contacts between these people from elsewhere and people of Earth, and although this latter point may be hard to prove it is equally hard to disprove, and the results of these contacts are remarkably consistent and enlightening. At the present time there are quite a number of

books, magazines and bulletins devoted to the study of flying saucers, and anyone who wishes to establish for himself the validity of these things will find no dearth of material.

At this point we may summarize the position somewhat as follows: There is virtually no doubt that alien craft are visiting Earth, and that the beings who operate them are very much like us, probably our distant relatives. Considering the age and extent of the universe, it is reasonable that space travel, exploration and colonization, may be quite commonplace among races of mankind more advanced than we are. Information obtained through alleged "contacts" confirm the general nature of the picture as presented herewith, together with quite a bit of interesting side-lighting on the technology, customs, way-of-life, and philosophy of these people from elsewhere. It would appear that we are well along the way to becoming truly civilized, and if we can refrain from committing racial suicide and learn to respect the dignity, divinity and brotherhood of man, we can expect eventually to be welcomed into the great cosmic fraternity of advanced races that inhabit the regions beyond the limits of this little planet.

SPUTNIKS, SAUCERS AND SPACECRAFT

This chapter consists of a paper which was given to the Illuminating Engineering Society, Canadian Regional Conference, at a luncheon on June 11, 1959, in Ottawa.

On October 3, 1957, the Russians astonished the world by placing an artificial satellite called Sputnik in orbit around Earth. To most of the world artificial satellites were things which might happen sometime in the dim and distant future, but to have a satellite actually aloft brought home the fact that space travel was about to become a reality. There were official announcements that Sputnik was there and many people managed to get glimpses of it as it raced across the sky. Because it was announced officially it was considered quite proper for people to admit having seen it.

With an artificial satellite aloft and people looking skyward there was an increasing number of reports of objects being seen which were not Sputniks. Many of these objects were confused with the Sputniks and this confusion would have persisted except for the fact that the Sputnik orbit was known and predictable. Many of these objects were recognized by their viewers as definitely not Sputniks, and since it was now considered polite to admit having seen things in the sky, many of these reports came forward and were added to the already thick files of flying saucer sightings.

The fact of the first Sputnik, and the many more which followed, made it quite apparent that our race was upon the threshold of space travel, and had actually taken the first step into the great outside. With this realization came also the realization that space travel was not really quite as fantastic as it had seemed at first, and that it was quite within the realm of possibility that some other race elsewhere might be a bit ahead of us and actually be doing it, and that maybe there was something to all the stories about the flying saucers after all. However, officialdom was not yet quite ready to admit the reality of the saucers, probably because they were not yet ready with all the answers to the questions which would be asked.

During the past ten years I have made a serious and extensive study of the phenomenon of flying saucers. I have covered every aspect that I could come

to grips with, and have arrived at some conclusions which, I might say, are entirely my own and do not represent any views which might be held officially or unofficially by the Canadian government. I think that many of these objects are spacecraft, and that they come from "elsewhere" than on this planet; that they are built and operated by beings very much like us, but who are more advanced in the business of living than we are, and that the saucers represent a technology which is much ahead of ours. I do not propose to wade through the reams of material upon which these conclusions are based, since this is practically all available in the current literature; I propose only to summarize this material.

Many thousands of people have seen lights in the sky which behaved as no light normally seen in the sky ought to behave. Many thousands of people have seen what appear to be solid objects in the sky which behaved as no solid object normally seen in the sky ought to behave. Many people have seen objects at close enough range to be able to say definitely what these objects were not, even though they could not say what they were. Many scientific observations and pictures exist with respect to these objects which just can't be explained away without challenging the honesty of the observers.

I have interviewed many people who claimed to have seen a flying saucer, and I am convinced that they are normal honest folk who are reporting as best they can something which they actually did witness. We would be happy to accept the statements of these same people in a court of law as witnesses to something more mundane, such as an automobile accident, so why should we doubt them when they tell about having seen a flying saucer. I do not think that these people are liars, fools, neurotics and hoaxers. Even if the sighting evidence were all we had I would still be inclined to accept it as fairly well establishing the reality of spacecraft from elsewhere.

However, we have in addition to visual evidence a variety of confirmation in other forms. Many sightings have been confirmed by radar with identical positions being established. Physical evidence of witnessed landings, such as imprints in soft ground, broken bushes, withered vegetation, etc., is plentiful and well confirmed. Various items of "hardware" are known to exist, but are usually promptly clapped into security and therefore are not available to the general public. Substances such as "angel hair" and molten tin, etc., have been observed to drop from these craft, and have been gathered up and analyzed. Strong magnetic disturbances have been observed in the vicinity of these craft. In fact, I would say that many more people have more evidence supporting the reality of flying saucers than evidence for the reality of atom bombs. But atom bombs bear the stamp of official disclosure.

It is a well known fact that our science consists of a few basic facts and a large amount of conjecture, cemented together with great numbers of "correction factors" and "perturbation factors". We have many anomalies in

our science, but instead of heeding them as Nature's warning that there was something wrong with our concepts, we shoved them into the background and turned our thoughts to those things which appeared to be more self consistent. Consequently, I am convinced, we have missed the boat on many occasions, and now when we have before us the magnificent fact that space travel through other means than on the business end of a rocket is possible, we are unable to cope with the situation, and instead of learning from these beings who come to us from elsewhere in flying saucers, we deny them, ignore them, and hope that they will go away.

I think that there is too much evidence to ignore that the saucers are real and are extraterrestrial spacecraft, and since their behavior cannot adequately be explained by our science, we are forced to the conclusion that this alien science transcends ours, and may even be beyond our reach.

Fortunately, a few serious investigators had the moral courage to face up to this problem in spite of the cries of "heresy" from orthodox science, and reasoned that if some other race could do these things, so could we. I will not dwell on the many dead ends which were investigated or the theories which were developed and discarded, because this is typical of any and all scientific progress. It is sufficient to say that many of our basic physical concepts were tested and found to be valid only under specific conditions, or are special cases of a more general concept. My own group has concentrated on problems associated with gravity, refusing to believe that Newton's Law ("every particle in the universe attracts every other particle with a force which is equal to the product of the two masses and a universal gravitational constant divided by the square of the distance between the two masses") was the alpha and omega of gravity. Since flying saucers demonstrated what appeared to be gravity control, it certainly seemed logical to assume that such control could be established. Furthermore, certain aspects of the behavior of these craft gave us valuable clues to the real nature of the universe, and its elegant simplicity.

At the present time we do not have all the answers. Nor do we have anything like an integrated theory. All we have is a collection of facts based on observation and the results of a number of experiments, but we feel that this foundation is considerably more secure than that of our current orthodox science, for in it there are no anomalies. We know that gravity is not all what Newton visualized. Far from being a basic force in Nature, it is really a derived function, and is the consequence of a dynamic condition, not a static one. We know what goes into its makeup; we know its formula and we have a pretty good idea of how to go about bringing it under control. We have conducted experiments that show that it is possible to create artificial gravity (not centrifugal force) and to alter the gravitational field of the Earth. This we have done. It is fact. The next step is to learn the rules and do the engineering necessary to convert a principle into workable

hardware.

So far, this work on gravity has been carried on entirely as a personal project, privately financed at a cost which is minute compared with the cost of the current rocket program, and with the volunteer assistance of a few people who are sincerely interested enough to put in long hours after their normal working day, and face the criticism levelled at anyone who dares to think differently. I am sure that if even a small fraction of the money being spent on rockets were spent on proper research looking toward gravity control, with the example of the flying saucers before us, and with the possible help from those people from elsewhere, we could join them in space much sooner, more safely, and more economically than we will ever be able to do on the business end of a rocket.

THE PHILOSOPHY OF THE SAUCERS

Possibly one of the most interesting aspects of the study of flying saucers, beyond the realization that they are real and extraterrestrial, is their philosophy. What manner of creatures build and fly them? What do they look like? How do they think? Are their ideas and ideals similar to ours? Could we understand them? All these and many other questions plague the serious investigator.

If we are to rely on sighting data alone we are bound to get a rather one-sided idea of these creatures. For example, we see saucers travelling at terrific speeds and then suddenly stop or change direction. Under our concepts of physics no creature of flesh, blood and bone could withstand the terrific forces which would be associated with such actions. Therefore, we are likely to assume that the Saucerians must be either some manner of robot or a creature the like of which we have never encountered.

Again, it is hard to understand why any race of creatures having the tremendous power at their disposal which we see demonstrated by the saucers, should be content to fly rather aimlessly over our globe, without doing something more definite. If the tables were reversed, we most certainly would. After a very brief reconnaissance we would land and announce to the natives that we were taking over. The fact that the Saucerians have made no such move appears to indicate that they must regard us in the same general category as the other flora and fauna native to this planet, and to them our civilization is so primitive as to be indistinguishable from that of the lower animals and insects.

We could go on speculating in this manner for quite a while without coming anywhere near the truth. Fortunately the people who come to us from elsewhere in flying saucers have seen fit to make contact with people of Earth, and to impart as much information and understanding as the contacts were capable of assimilating or passing along to others. There have been many published instances of contacts between these people from outside and people of Earth, and a very great many more which have not been published. As is always the case in any new and romantic field, there are those who exaggerate, but it is not too difficult to establish that the vast majority are

honest and authentic. For instance, when a dozen or so independent contacts having no common connection, and each alone believing that he or she has been favored above all others to receive this message, all tell the same message, even to names and descriptions which tally perfectly, one has little choice but to believe that they are telling the truth.

Furthermore, when the material given to us through the many channels is all assembled and analyzed, it adds up to a complete and elegant philosophy which makes our efforts sound like the beating of jungle drums. These people tell us of a magnificent cosmic plan, of which we are a part, which transcends the lifetime of a single person or a nation, or a civilization, or even a planet or solar system. We are not merely told that there is something beyond our immediate experience; we are told what it is, why it is, and our relation thereto. Many of our most vexing problems are solved with a few words; at least we are told of the solutions if we have the understanding and fortitude to apply them. We are told of the inadequacies of our sciences and we have been given the basic grounding for a new science which is at once simpler and yet more embracing than the mathematical monstrosity which we have conjured up. We have been told of a way of life which is utopian beyond our dreams, and the means of attaining it. Can it be that such a self-consistent, magnificent philosophy is the figment of the imaginations of a number of misguided morons? I do not think so.

If the only evidence we had was philosophical, we might justifiably suspect it, but when coupled with the reality of the observations, thousands of them, we cannot dismiss it so easily. This is especially true when we consider that the science which has been passed to us from these people from elsewhere explains in a manner which we have been quite unable to do why the saucers behave as they do, and how it is that they can do things which to us are virtually impossible. The science and performance check perfectly!

Again, we have been told where our scientific ideas are wrong, or inadequate, and experiments have been suggested and carried out, and in every case the alien science has been vindicated.

We may ask, if all this is known, why has it not been publicized, why are not these matters being studied instead of atom bombs? The answer: it has been publicized. Books have been written and hundreds and thousands of copies sold. There are available many periodicals containing this material which may be had for quite a nominal sum. Reports have been prepared by serious investigators and presented "through the proper channels". But it is truly said that one can lead a horse to water but one cannot make him drink! Those who are in control of our society are satisfied with it the way it is and will resist any attempt to change anything which is likely to disturb the equanimity of their lives. There are those who can't be bothered to get the facts and make up their own minds; they would rather dismiss the whole

matter as nonsense, because someone who holds their respect says it is nonsense. There are those who fear for their social security, and will therefore have no part of anything which might place it in jeopardy. There are those who say our science works and gives us many things which we would not otherwise have. What is wrong with that? Why discard it? There are probably as many private reasons for not facing up to the facts as there are people who refuse to do so. However, it is consoling to realize that, through the humble and often criticized comic strip and science fiction stories, the younger generation is being conditioned to accept the reality of people from elsewhere, and when given the opportunity to do so avidly assimilate all they can get on flying saucers and the people who fly them.

The question may well be asked, what of the future? This question has been posed many times, and to the people from outside. The answer: we don't know for sure but we are aware of trends, but considering our limited means for gathering data we must of necessity do a vastly inferior job of predicting events. Our experience has been that when they choose to do so, the people from outside can be quite accurate in their predictions.

We may summarize the entire flying saucer picture as follows. We have arrived at a time in our development when we must make a final choice between right and wrong. The people from elsewhere are much concerned about the choice which we will make, partly because it will have its repercussions on them and partly because we are their blood brothers and are truly concerned with our welfare. There is a cosmic law against interfering in the affairs of others, so they are not allowed to help us directly even though they could easily do so. We must make our own choice of our own free will. Present trends indicate a series of events which may require the help of these people and they stand by ready and willing to render that help. In fact, they have already helped us a great deal, along lines which do not interfere with our freedom of choice. In time, when certain events have transpired, and we are so oriented that we can accept these people from elsewhere, they will meet us freely on the common ground of mutual understanding and trust, and we will be able to learn from them and bring about the Golden Age all men everywhere desire deep within their hearts.

CHAPTER FIVE

THE BATTLE OF MAN'S MIND

I propose to give the reader a warning of a grave danger which we are all, consciously or unconsciously, facing in a world in which two great forces are striving to gain control of man's mind. This struggle has been going on from time immemorial, but never in the world's history has the conflict been more intense than it is in this present era of confusion and unrest. In the old days, mankind was often made to suffer physically, unspeakable things in the name of power, but today, with man's mind more developed and better educated, he is now facing the prospect of a refinement of even greater mental and spiritual cruelty—unless he is prepared to protect himself with right thinking.

The two great forces involved in trying to influence man's thinking may be described as *positive*, i.e., thoughts in harmony with the concept of a love of God and the brotherhood of man, and *negative*, those encompassing anti-Christ motives designed to gain control over man for the purpose of power. This battle for Man's mind is being waged on two fronts, the physical and the metaphysical, and the object of the fight is to bring about either the spiritual salvation or destruction of homo sapiens.

To deal first with the physical aspects, no matter how hard we may all strive to be strong-minded and individualistic, we are all subtly influenced by the spoken and written word and other forms of thought communication, particularly through the medium of books, newspapers, radio and television. In the latter field, as the sponsors know only too well, even the "commercials" play an important role in making up our minds to purchase certain products. In our business and social lives, we are often swayed by the thoughts of others and some people too apathetic to form opinions themselves, are willing to accept the views of others more articulate, as their own. In all our daily contacts, a little of the good, bad or indifferent, as the case may be, is rubbing off on us and influencing our thinking.

In the field of politics, often an area of great misrepresentation in order to gain votes, even greater pressures are brought to bear and we are often influenced by the seemingly convincing rhetoric of clever politicians. But it is in the area of international politics that the gravest dangers lie, for here the

stakes are high and the lust for power the greatest. Because of this, many of us have been through the horrors of at least one world war, if not two. But let us first analyze how these two wars came about in the first place. In each case, a few men in power, with great personal magnetism, were able to influence and organize the minds of the common people to such a degree of mass-hypnotism, that the entire nation believed it had a true cause to fight for. Many of us watched and history books have recorded, the militarist building-up of Fascism and Nazi-ism and, because of the evil it spawned which the Free World had to fight against, we eventually witnessed the final downfall and disaster brought to these misguided people who allowed their minds to be warped by avaricious despots seeking only greater power. Unity in a country is a fine thing when it is directed into channels for the good of its people, but when it seeks to persecute others in order to gain its ends, it becomes a thing of evil and a triumph for the negative forces.

Crushing the evil forces of World War II, however, did not bring peace to the world and very soon after and for exactly the same reason, i.e., a few men in power master-minding the masses, we found ourselves involved in the long, drawn-out "cold war" with the U.S.S.R., and hovering on the brink of a third global war which could well end in total annihilation of every living creature on this planet. We can perhaps take some comfort from the fact that the odds against *anyone* surviving a nuclear war are so great that it is very unlikely that either side will be the first to press the panic button, and maybe it is for this reason that the Russians are turning to a more subtle weapon—the manipulation of man's mind. Their success with the Pavlov experiments and the subsequent "brain-washing" techniques, led them to a step further—the establishment of an extensive psychical research program, with the main emphasis on mental telepathy and ESP. How far they have gone with this program, we do not know, but one well-known American columnist found it necessary to warn the U.S. government that the newly-developed Russian technique of "cloud busting" (an expression used to describe the production of physical effects by intense mental concentration) would bear their close investigation. The Soviets evidently realize the potentialities of the power of thought far better than we do, and we must remember that power of any kind can be used for either good or evil.

Going to another part of the world, some grave concern is being experienced not only by Japanese intellectuals but outside observers regarding the development of the Soka Gakkai movement in Japan. Soka Gakkai, literally meaning "Value Creation School", is a religious group that developed from Buddhism and became very powerful after the last war. In the early post-war years, it met the needs of a confused people crushed by defeat and horrified at the results of the atom bomb. The Soka Gakkai philosophy expounded, promising the pursuit of happiness and the

answering of all problems and setbacks through the medium of constant prayer, made a popular appeal to the masses, and the movement now claims to have several million *families* as followers. However, as they gained power, the Soka Gakkai leaders, not content with solving domestic problems in the field of religion, became more ambitious and decided not only to try to convert the rest of the world to Soka Gakkai thinking, but also to enter the realm of politics which they considered needed "purifying".

In the area of world conversion, they claim to have many thousands of overseas followers, and they have already set up branches in North America and Southeast Asia, whilst in the field of politics, they have met with considerable success and now hold many seats in local congresses and 15 seats in the Upper House of the Diet. However, with the swelling ranks of the Soka Gakkai becoming more aggressive in their attempts to convert others and more militaristic in their political rallies, the situation is being viewed with considerable alarm, not only by many Japanese but also by the outside world. Anyone who has seen newsreels or television programs showing the disciplined might of the huge Soka Gakkai meetings and rallies, will immediately note that they bear a frightening resemblance to the early Fascist and Nazi demonstrations. Here we have another example of the master-minding of the masses in what appears to be a militant religion whose aims are boldly stated as "The Salvation of Mankind" and "The Spiritual Domination Of The World". That the Soka Gakkai realizes the power of thought is made obvious by their slogan "Power Comes From Prayer". The question is—power for *what*? When a religious group, with several million followers, enters the field of politics, the situation can become fraught with danger, for seldom are religion and politics compatible. One usually has to give way to the other, and unless religious principles for the *benefit* and not *domination* of mankind are strictly adhered to, the results could prove disastrous. On the other hand, if the Sōka Gakkai movement *can* succeed in purifying politics and it works earnestly for the happiness and welfare of its followers, then it would indeed prove a wonderful thing, but its present methods of gaining power leave it as a big question mark.

These then are some of the factors we are facing in the battle for Man's mind on the physical plane. But what of the metaphysical influences at work on us—the invisible but all-powerful forces on the purely mental plane? Whether we realize it or not, we are equally susceptible, if not more so at the subconscious level, to these more subtle influences. Man's brain, which in reality operates on the metaphysical plane, is like a two-way radio which transmits and receives messages along the air-waves of the universe—and his receiving mechanism is open to thoughts both good and bad, which he either accepts or rejects according to his stage of evolution. Most of us are well aware of the truth of mental telepathy and many of us have had personal experiences of thought communication between loved ones often thousands

CHAPTER SIX

MESSAGES TO OTHER WORLDS

The Ottawa Journal of March 23, 1962, carried a story by John W. Finney of Washington, D.C., entitled "Messages To Other Worlds Too Costly, Say Scientists." Partial quotations will develop the theme. "The scientists told the congressmen that life may well have developed on distant planets, but they were gloomy about ever establishing radio contact. They doubted that legislators on other planets, any more than on Earth, would put up the money to build the expensive transmitters needed to send messages to other worlds." These are most significant words and illustrate how deeply we have worn the rut of our thinking! We are so enamored by our own way of thinking and doing things, that we have no place in our consciousness for any other way.

In the first place, there is the basic and quite unjustified assumption that intelligent life on other planets must of necessity follow the pattern which we have set, and have legislators. Also, it is implied that such life would use money as we use it, and put its control in the hands of legislators, and that any program in the broad interests of the race would be determined by them. From what we know of the civilizations "elsewhere", nothing could be farther from the truth!

In the second place, there is the further assumption that any communication between planets must use radio as we know it, within the range of frequencies which we have been able to exploit. Also, that efficient and sufficient transmission means must of necessity be "expensive". There is another point which may not be so readily apparent—and that is the question of language. We communicate, one to another, by means of vocal noises which, by mutual understanding, are coded to carry as nearly as possible the meanings which we desire to convey. But there is no assurance that beings from elsewhere use sound for communicating, and again, from what we have learned from them, their communication means are as far beyond radio as radio is beyond jungle drums.

Quoting further from this news story, "...transmitters to send signals transit of space is strictly limited to our concept of the velocity of light. What communications we have had with extraterrestrials in which we have a

of miles away. But what of special thoughts being beamed at us deliberately for a specific purpose, at both the conscious and subconscious levels, from another plane of existence?

Messages received through esoteric sources, purporting to come from Space Brothers who take an active interest in the spiritual welfare of the inhabitants of our planet, warn us that an even greater conflict is being fought on the metaphysical plane where intelligent beings of both a higher and a lower spiritual order than ourselves, are waging a fierce battle for Man's mind. The lower or negative forces, damned themselves by wrong thinking, are projecting strong thoughts Earthward in an attempt to bring about our spiritual downfall. On the other hand, Space Brothers and other spiritual guardians of our planet, are concentrating equally hard on sending out positive thoughts of goodwill and brotherly love. Thus we are being bombarded from the metaphysical plane by two conflicting schools of thought, and, free will being the criterion of spiritual advancement, it is left to us which we choose to accept. However, from a purely logical point of view, if we want to save ourselves a lot of sorrow both in this life and lives to come, we should arm ourselves mentally against the onslaught of negative thoughts.

This is no time for confused or apathetic thinking—often the future breeding-ground of negative thoughts. Nor should we be just receivers and disseminators of the thoughts we pick up. Rather, we should get on the transmitting end and constantly project positive thoughts of goodwill to all. Every positive thought neutralizes a negative thought, so we shall be serving not only ourselves but all humanity.

In the final analysis, there are two simple, clear-cut maxims to be observed for complete protection from the negative forces at work on this planet: (1) Acknowledgment and love of God as the Father of all Creation, and (2) brotherly love extended to *all* His creatures throughout the universe. Anything else which interferes with these two beliefs should be vigorously rejected. Further, if we return love for hate, hate will die of malnutrition, for it can only feed on returned hatred. Let us rather pray for spiritual enlightenment for these wretched souls who seek to harm us.

In conclusion, if any of you have doubts about the veracity of the telepathic and inspirational messages received from Space Brothers and others interested in the welfare of our planet, just ask yourselves this one vital question—"Are these messages good and true and for the benefit of mankind on Earth?" If, as you surely must, you come up with an answer of "Yes," then it is obvious that it is the hand of God at work, no matter what medium He chooses to use.

CHAPTER SEVEN

PROJECT MAGNET THE CANADIAN UFO STUDY

Project Magnet was authorized in December 1950, following my request to the Canadian Department of Transport for permission to make use of the Department's laboratory and field facilities in a study of unidentified flying objects and physical principles which might appear to be involved.

The program consisted of two parts. The first part was the collecting of as much high quality data as possible, analyzing it, and where possible drawing conclusions from it. The second part consisted of a systematic questioning of all our basic concepts in the hopes of turning up a discrepancy which might prove to be the key to a new technology.

Unfortunately, the program was plagued by well meaning but misguided journalists who were looking for spectacular copy which could be turned to a political account, to such an extent that both those who were working on the project and the Department of Transport found themselves in an embarrassed position. Consequently, when the Project Magnet report was made and permission sought to extend the scope of the investigation through federal financial support, the decision was finally made in 1954 that this would not be advisable in the face of the publicity from which the whole project had suffered.

Project Magnet was officially dropped by the Department of Transport in 1954, although the Department indicated its willingness to permit the continued use of laboratory facilities, provided that this could be done at no cost to the public treasury. The project continued under these conditions, and to this extent may be said to have gone underground. The government of Canada was therefore not participant in the continuation of the project and not in any way responsible for its conclusions.

The conclusions reached by Project Magnet and contained in its official report were based on a rigid statistical analysis of sighting reports and were as follows:

1. There is a 91% probability that at least some of the sightings were of real objects of unknown origin.
2. There is about a 60% probability that these objects are alien vehicles

degree of confidence, have indicated that this is positively not the case, and our concept of the velocity of light is quite erroneous. We have been told, and there is good laboratory evidence to support the statement, that the velocity of light is quite dependent on where and how it is determined and has all sorts of values, and that time itself is far from being fixed—and that there is no such thing as a limiting velocity, except that imposed by the methods used.

The story goes on to quote Dr. Lovell as saying: “To do the job properly will require a number of finely instrumented radio telescopes developed to attack the problem on a long-term basis. There is doubt that any nation would be willing to take on a project so expensive and speculative.” However, nations do spend many times the cost of such a project on research which is not a bit less speculative, and out of which we can hope for only one small step forward. But contact with beings elsewhere in the universe, if they are appreciably more advanced than we are, could yield knowledge which would take us forward, not by steps, but by leaps and bounds! Or, for a change, we could send out details of our science for the benefit of races not quite so developed as we are—broadcast our culture and propaganda to the universe at large, to let them know what we have that we are proud of!

The conclusions based on studies of the basic physical concepts were as follows:

1. Many of our fundamental concepts are inherently ambiguous and quite a different philosophy can be built up on the alternatives.
2. Several of these alternatives lead to much simpler arithmetic, and presentations which do not have to resort to patchwork corrections to make them all embracing.
3. Furthermore, some of our ideas with respect to fields and their behavior are wrong.

Project Magnet activities dealt with following up any and all leads. Many of these leads were dead ends, but a few were quite significant and well worth the overall effort. At the present time a definite pattern is emerging, and the ground work is being laid for a new technology which may literally lead us to the stars.

THE DAY PROJECT MAGNET DETECTED A FLYING SAUCER

August 8, 1954, started out as a rather typical day at Project Magnet. Since the project had started it was hoped that the instruments on hand would sooner or later pick up an unidentified flying object and track and analyze its movements.

For months I and my tiny group of like minded associates had watched the sensitive gravimeter in vain. On occasions when large commercial airliners would pass over, our hearts would skip a beat as the instruments would register aerial activities.

But on August 8 at 3:01 P.M. the gravimeter began acting strangely. First it wavered slightly, drawing a thin dark line on the graph paper being used to register the movements of the instruments. Without further warning the gravimeter went wild. All evidence indicated that a real unidentified flying object had flown within feet of the station.

Alarm systems connected to the instrument panel began to ring, alerting us to the UFO. After watching the instruments a few seconds, we ran outside to see what was causing the odd reaction.

Unfortunately our area was completely fogged in, and whatever was up there could not be seen visually.

(Editor's note: Later, while making a public statement it was reported that Smith was very careful in stating that the object "might" have been a flying saucer, discounting the possibility that it could have been any sort of airplane.

Several years later, while being interviewed on national Canadian TV, Smith commented that flying saucers were responsible for a number of "things" then happening in Canadian skies. He, however, did not take the

time to explain.

No official release has yet been made by the Department of Transport or any other Canadian government department of the "flying saucer" that was tracked over Presque Isle on Aug. 3, 1952 (N.B.)

THE FIVE FACES OF MAN

When we enter this physical universe we find that there are five relationships to which we are subject. An understanding of these relationships is necessary for a successful sojourn here and progress to higher planes. Not only do the majority of us remain in ignorance of these relationships, but many of us do not even recognize their existence. It is true that there are certain ones which are of interest to us and we do a little lip service there for purely selfish reasons, but there is almost no recognition of the essential nature of these five relationships.

The first relationship is *religion, which is the relationship of a being to its creator*. Here we have a hodge-podge of superstition dressed up in pageantry giving lip service to something in which few people actually believe, and practically no one knows anything about. Every great religion says "Love thy God!" but how many understand what this means? We think we know family love, love of country, love of things, but do we know love of God?

Love thy God as thyself. This is something a bit nearer to our understanding because we are all pretty selfish creatures; but again do we really know what it means? Do those of us who abuse our bodies and minds with the many and varied current malpractices have any understanding of what it means to love ourselves?

Love thy God with all thy heart, with all thy soul and with all thy mind. Here again we are urged to a definite course of action which is spelled out rather clearly, and again we do little or nothing about it. We must learn to know our hearts, our souls, and our minds: to know their capacity and then to use this capacity. There is a tremendous potential here if we but understand it.

The hierarchy is the relationship of a being to others not of its kind. In this universe we know very little about the hierarchy beyond the few other living things which share this planet with us, and which we regard with disdain as being of little or no consequence. We have little knowledge of the vast realms of beings of higher evolution than ourselves and when we do experience a little impact from them, we ignore and suppress it and hope that it will go away because it embarrasses us. There are very few people on

Earth who do not feel that somehow they are the acme of Creation and there are none greater, except possibly a vague and nebulous deity with which we have little or nothing in common. And yet, knowledge of the hierarchy obviously is necessary if we are to progress in it; for we are a part of it whether we realize it or not.

Civilization is the relationship of beings with others of the same kind. This is something about which we know a little, but don't do very much. We have a civilization of sorts but it isn't very good, not nearly so good as the civilizations developed by the ants and the bees. We have a general idea of what a civilization ought to be and we all have dreams of a utopia, but we have not yet mastered even the basic principles upon which a successful civilization must be based.

The many ideologies and 'isms are all attempts to develop a more satisfactory civilization and each must be regarded as a stepping stone leading toward the ultimate. As long as there is disagreement about how civilization should be set up, just that long will it continue to evolve. When people on this planet are satisfied with their civilization it will crystalize as has the civilization of the ants and the bees, and further evolvement will rest entirely with the individuals. Because of the basic restless nature of our branch of mankind we will probably not settle for a civilization pattern in the near future, and our ultimate civilization will bear little resemblance to what we have now. But the important thing is to recognize that what we have isn't very good and the ultimate is still far off, and we should work toward it.

Science is the relationship of a being to the physical world in which it exists. We have evolved a science of sorts by observing Nature and guessing at the causes of the phenomena which we observe. When we have guessed a plausible explanation we test it by asking Nature a few experimental questions and then fitting the answers into our hypothesis. If they can be made to fit we assume that our original guess was right and we then proceed gleefully on to the next guess. By following this method we have built up a most magnificent concept of this universe in which we live, all beautifully supported by mathematical analyses, and almost entirely self-consistent.

Although it is not generally admitted in scientific circles, there is a prime Cause for this universe, called the Creator, and this universe was established from and within Nothing-At-All. What we observe is the end product of this creation, or at least that stage of it which involves us. What we do not see is the mechanism by which this all came about and so long as we insist on inspecting it from our rather limited point of view we are not likely to find out very much about its inherent structure. However, if we follow the path trodden by the Creator and start as He did, from Nothing-At-All and follow up the logical sequences, *from the bottom up*, checking with Nature by experiment every so often we can get quite a different view of this universe

which is ever so much simpler and probably much more accurate than that of our conventional science. By definition science is the relationship of a being with the physical world in which it exists, so it is fairly obvious that the viewpoint should be that of the being, ie. an emanation of the creator following the path set by the creator.

The relationship of the being to the physical vehicle which it occupies is the Tallus, and this is an area where understanding is most conspicuous by its absence. Unfortunately, many, many people do not even recognize that there is such a relationship, believing that the physical vehicle is the being, in spite of the vast amount of evidence which is apparent to all that the being is quite apart, though intimately associated with the physical vehicle. The subtraction of limbs or organs does not detract from a being and the retirement of a being from its physical vehicle is not necessarily related too closely with such subtractions. The transcendental nature of awareness and impossibility of localizing it within a physical structure indicates that it is something separate.

We are accustomed to living in our physical bodies and to us it feels "normal" and any deviation from this condition results in feelings and sensations which are unique. If our thresholds are depressed as in sleep or under anesthetic we can alter the relationships of our beings to our vehicles without undue disturbance, but on the other hand, if our thresholds are raised any such alteration becomes most apparent. These are the Tallic sensations or experiences, and are an essential part of our experience here. Drugs, excitement and many other stimuli simultaneously raise our thresholds and allow alteration of the Tallus relationship. The group of experiences involving sex, birth, death and mediumship all involve closely related physical sensations caused by the partial (or complete) withdrawal of the being from the physical vehicle, or some rearrangement in relation thereto.

These then, are the five relationships which make up the experience of a being in a physical environment. They are part and parcel of our lives and their understanding is an essential part of our evolvment. We have but a scanty appreciation of these relationships, and even to many they do not exist except as philosophies or superstitions. However, we have only to look at what little is apparent of our brothers from elsewhere to appreciate the results of better understanding of these basic relationships; and they tell us that they too, have a long way to go!

BINDING FORCE

Bermuda Triangle

Matter, as we know it, is held together by "forces" the nature of which we do not clearly understand. We have developed some very elegant theories to explain most of the observed phenomena, and we add sufficient "correction factors" to make the theory fit the rest. But every now and then we come face to face with something which our theory just will not explain, and rather than admit that our theory is inadequate, discard it and start over again, we just can't bring ourselves to throw out such an elegant mathematical masterpiece, so we usually just turn our backs on the new fact and refuse to recognize it. This is well demonstrated in the matter of binding forces.

Some years ago, following some rather bad aeroplane crashes for which there was no satisfactory explanation, the people from "elsewhere" were asked through "contacts" if these crashes were possibly due to our craft flying too close to their craft. We were informed that while a very few of our craft had suffered in this manner much greater care was now being exercised by the saucer pilots so that this cause was virtually eliminated. We were informed, however, that our pilots flew around in complete disregard of the regions of reduced binding with which this planet is afflicted, and very often their craft were not designed with a sufficient factor of safety and came apart.

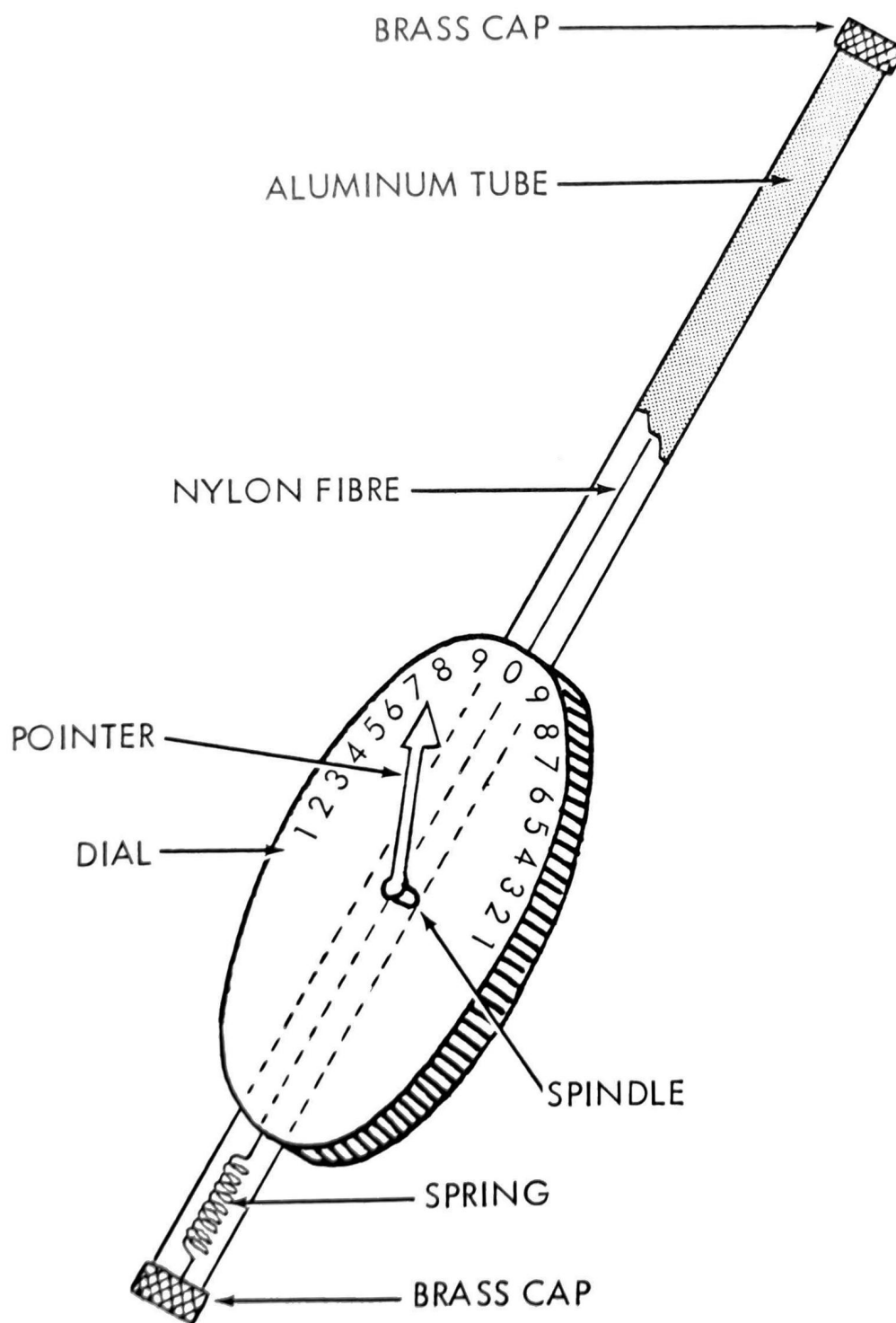
A Counter Argument

When we countered by saying that we knew nothing of such regions, we were informed that means for detecting them were easily within our technology and that we should build suitable instruments and then pay attention to what they registered. They also passed a few uncomplimentary remarks about our propensity for shooting off atom bombs which actually created a pair of such "vortices" with each explosion.

The principle of the "Binding Meter" was then explained to us, and we were left to work out its detailed design. The principle is quite simple: all matter is held together by the relative configurations of the three basic fields

about or just fade away, but we do know that when we look for several of them after three or four months we could find no trace of them.

It would therefore appear that this business of reduced binding would stand quite a bit of further serious investigation. Unfortunately, because of the unorthodox source of this information, efforts so far to obtain official recognition have resulted only in more letters being added to the "crank file."



BINDING METER

of nature, tempic, electric and magnetic. These configurations are characteristic of what we call the molecular structure, and the inter-actions of these fields is linear. Therefore, since the fields inter-acting are the sums of the local fields, and the background fields, such inter-action can be used to indicate certain characteristics of the background, through this very nonlinearity.

Structurally the binding meter consists of a nylon fiber which is stressed close to its elastic limit (after having been over-stressed to establish stability) pulling against a steel spring which is stressed well below its elastic limit. The nylon fiber is wound around a spindle which carries a pointer so that any longitudinal movement of the fiber will cause the spindle to turn and the pointer to move across an arbitrary scale. In setting up the instrument nylon fishing leader was used and pre-stressed to the breaking point and this point noted. The instrument was then threaded and one end fastened to the spring and the other placed under tension to 75 per cent of the previously noted breaking stress, and the end clamped under a friction washer which was somewhat softer than the nylon to grip it solidly without deforming the nylon. The whole instrument was then set aside for a few days to make sure that it was stable, after which the pointer was slipped to mid scale and the instrument was considered ready for service.

Many Successful Instruments

By making the body of the instrument of aluminium tubing about $\frac{1}{2}$ inch diameter and 10 inches long, the combination gives very good temperature compensation, and a range of temperature of 100 F. makes less than $\frac{1}{2}$ division on an arbitrary scale of 12. There is no perceptible change over the complete range of humidity and no barometric sensitivity was observed. Dimensions apparently are not critical, and successful instruments have been made with quite a variety of parameters. Unfortunately we have no way of calibrating these instruments at the present time, and the best we can do is use them for qualitative indication.

My colleagues and I have investigated the general areas through which aircraft have flown just prior to unexplained crashes and we have found several regions of reduced binding, the meters showing several scale divisions change. These regions seem to be roughly circular and about 1,000 ft. in diameter, and probably extend upward quite a distance. A few have been detected by air when planes have flown through them, but fortunately in these cases the craft were strong enough to remain intact.

Whether this is generally true or not we cannot say, but it does appear that things are somewhat stronger in the northern latitudes than they are farther south, and certain areas seem to be permanently afflicted with reduced binding. We do not know if the regions of reduced binding move

deal successfully with negative forces and that we too, should use this same method. It is fatal to hate or fear them for in so doing we only fall into a trap and lower our own spiritual vibrations. Rather, we should extend good will and have compassion for these backward children of darkness by praying for them, as this way, we not only protect ourselves but, good begetting good, we help both them and ourselves.

In the case of "(2)" the space brothers speak of what might be termed as a "United Planets organization", members of which are drawn from planets that have reached a certain level of spiritual enlightenment, but just as it is with our own United Nations organization, some members are more backward than others and a constant vigil must be kept to ensure that they observe fully the cosmic laws laid down in the space charter of this interplanetary organization.

From the foregoing, it will be seen that the main purpose of the protective role of the cosmic police force is to allow the inhabitants of planet Earth to evolve *on their own merits* without any undue influence from either the positive or negative forces. This is cosmic law. Therefore, we must not allow our knowledge of the work of the cosmic police force to lull us into any false sense of security. We are strictly on our own when it comes to spiritual unfoldment for, as the space brothers are quick to point out, while the cosmic police force can protect us from *outside* influences; it cannot protect us from ourselves or our own free thinking. However, if we, of our own free will, send out sincere prayers and positive thoughts for good, our space friends claim they can use this light force to help us further. It was added that there is an urgent and specific need for this at the moment. Querying this, an interesting factor came to light.

this is very unusual note. It was explained that the explosion of nuclear devices (a negative force) has not only torn parts of Earth's protective atmosphere (which, if continued, may have drastic physical consequences to Man on Earth, involving violent weather patterns, floods, earthquakes and deformed biological mutations caused by increased radioactivity, etc.), but these massive explosions have, by their negative nature, also damaged the metaphysical protective "envelope" surrounding this planet thus allowing negative astral entities to penetrate through these ripped portions and further influence negative thinking on Earth—hence much of the trouble and strife we are experiencing in our world today. While the cosmic police force can shield us from unwarranted *outside* negative influences, they cannot protect us from the consequences of negative emanations coming directly from our own planet. This would be contrary to the universal law of karma. Only we can repair the damage we have created ourselves. This, say our space friends, we can do by sincere prayer for the cessation of nuclear explosions and positive thought envisualizing the closing of the gaps in our protective atmosphere and its metaphysical counterpart. Such a spiritual emanation

THE COSMIC POLICE FORCE

It has been stated that according to messages purporting to come from the space brothers, our space friends had claimed that if there was a great outpouring of prayer and positive thought issuing from the inhabitants of our world, thus raising the spiritual vibrations of our planet, they could draw on this power to assist us even further. A question put to the space brothers as to exactly what was meant by this statement brought forth an extremely interesting reply which may shed some new light on a vital reason for their presence around planet Earth. The explanation given was that a large number of the space brothers, whose special mission it is to safeguard the spiritual welfare and evolutionary progress of Earthlings, had banded themselves together to form what might be described in Earth terms as a "cosmic police force". The true role of any police force, they added, is a purely defensive one—a protective measure designed to ensure the safety and well-being of society-at-large and the maintenance of law and order to safeguard this objective. This, in effect, is the role that the special contingent of the cosmic police force, dedicated to the protection of inhabitants of Earth and the planet itself, is carrying out.

This role is mainly a dual one: (1) to keep at bay negative forces from outer space who attempt to inflict their stronger evil influence on negative and borderline-negative Earthlings; and (2) to assure that all outer space beings permitted to visit our world observe strictly the cosmic laws governing non-interference with and non-hostility toward the inhabitants of planet Earth. The space brothers emphasize that "(1)" must not be interpreted by war-conscious Earthlings as in any way a battle or an act of aggression against negative beings who, they remind us, are still God's creatures but in the early kindergarten stage of spiritual development—quite the reverse, for their method of dealing with such beings is to beam out to them intense thoughts for good will which emanate in the form of a radiant light through which no ungodly thought can penetrate. The negative forces, being the powers of darkness, are rendered impotent by this strong, pure light of good will and spirituality and, blinded by its dazzling glow, they are unable to carry out their evil intentions. This, say the space brothers, is the only way to

Be here again.
to READ Burris
atom a hydrogen.

ARE WE ENTERING-LEAVING

With atomic energy we are crossing a threshold, but are we entering or just leaving?

Much has been said and written about the awful devastation which would be caused by an atomic war. It has been suggested, and with just cause, that such a war probably would wipe out civilization, leaving the remnants of the human race in atavistic savagery, if there were any remnants. Dr. Hugh Keenleyside, former Under Secretary of State for External Affairs for Canada estimates that there are in existence at the present time more than 150,000 nuclear devices, many more than required to do the job!

Consider what happens when an atom bomb explodes. The fission process which comprises the explosion releases enormous quantities of energy similar to that originating within even the hottest star. If only 10% of the energy available in Uranium 235 or Plutonium were suddenly converted into heat, the temperature of the mass would jump to the order of fifty billion degrees centigrade. Even if the blast were diluted by five hundred times as much inert material as there was active material, the temperature would still be of the order of one hundred million degrees.

Now, the temperature of the sun, as we determine it, is about six thousand degrees on the surface and about ten or twenty million degrees in the interior. It is presumed to derive its energy from the conversion of hydrogen to helium through an intermediate cycle involving carbon, oxygen and nitrogen, which cycle progresses very smoothly at the sun's temperature. If, however, the sun's temperature were much higher, the hydrogen could convert directly, first into deuterium, tritium, and helium, without benefit of the time delay and stabilizing action of the carbon-nitrogen-oxygen cycle, and would produce most probably an explosion of increasing magnitude which would continue until it either ran out of hydrogen or the eventual expansion of the gases produced a sufficient drop in temperature to stop the reaction.

Suppose that an atom bomb (either fission or fusion type) landed in a large body of fresh water such as one of our Great Lakes, and furthermore, that it sank to a considerable depth before exploding. The explosion, when it

from Earth would take the outward form of radiant light with which the space brothers claim that, with our expressed desire to do so, they could mend the torn portions of our atmosphere and thus block further entry of negatives forces. They call on us urgently to play our part in an all-out effort to save ourselves and our planet from the total destruction it is otherwise headed for. Time is running short and we must act now.

THE MYSTERIOUS CHUNK OF HARDWARE AT OTTAWA

By Carol Halford-Watkins

On the outside property of the headquarters of the Ottawa New Sciences Club there lies a large piece of metal—an unidentified object which has so far baffled all attempts at positive identification and over which an aura of mystery hangs as to its exact composition, purpose, origin and most of all, the unusual circumstances surrounding the finding of this large chunk of hardware in the St. Lawrence river of Quebec. This piece of metal measures about 4 ft. by 6 ft. and is roughly oval in shape, somewhat like an inverted mushroom, i.e., flat on top and roughly hemispherical on the underside. A plug or post about 9" in diameter, at 90 degrees to the flat surface, penetrates the center of the mass and extends through top and bottom surfaces. A smaller protuberance, which may be the remains of a 2½" pipe, appears out of the flat surface near the plug. The weight is estimated at about 3,000 pounds. The whole is made up of layers of material which evidently have been subjected to very high temperatures and pressure. The material is ferrous, extremely hard, and resistant to all attempts to cut or dismantle it. It is faintly magnetic until melted when it seems to acquire approximately the magnetic permeability of mild steel.

Because articles on this mystery metal have recently appeared in newspapers containing a number of inaccuracies with regard to the facts of the case as we know them in Ottawa, we propose to give our readers a brief account of the history of the metal as far as we know it.

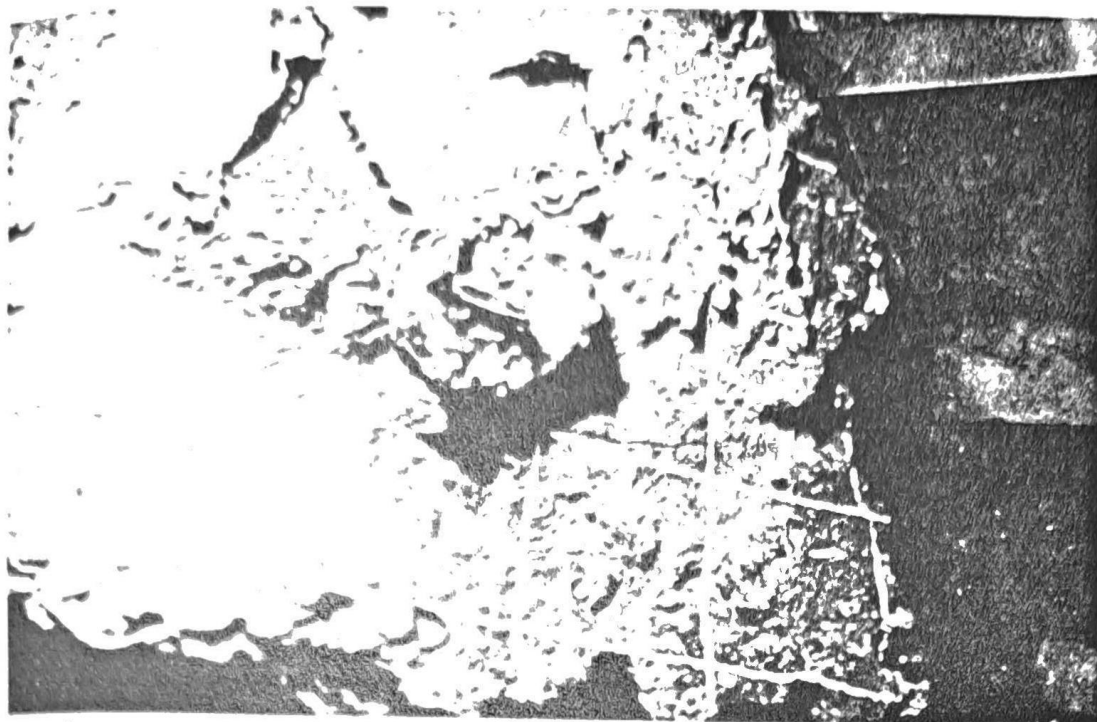
According to an early account which appeared in a French language newspaper in Quebec—on June 12, 1260, between 3:00 and 4:00a.m., EDT, a sonic boom rocked the area around Quebec City. At about the same time, a fiery object fell out of the sky, splitting at about one to two thousand feet altitude, into two pieces, one somewhat larger than the other. Both fell into the St. Lawrence river, near Les Ecureils, about 20 miles up river from Quebec City. The smaller piece was quite close to the shore and visible at low tide; the other lay close to the shipping lane and was completely submerged.

It should, however, be pointed out that when, shortly afterward, a group of club members carried out an investigation at the actual location, they

did take place would be confined by walls of water consisting largely of hydrogen, since two thirds of the atoms in water are hydrogen. Before the bubble of hot gases resulting from the explosion could overcome the inertia of the water and rise to the surface, it is almost certain that the water directly in contact with the blast would be heated to temperatures comparable with that of the blast, itself, one hundred million degrees or hotter. At such temperature the hydrogen in the water would be in prime condition to convert directly into helium and would in fact become a "hydrogen bomb" with the release of about the same or greater energy per unit mass as was released from the active material of the bomb itself. Consequently, a thermo-nuclear chain reaction would probably set in which would be cumulative and self-propagating. Once initiated it would continue increasing in intensity until stopped by either a lack of hydrogen or the eventual drop in temperature of the expanding gases. In any case the reaction would probably persist until most of the available hydrogen had gone up in helium.

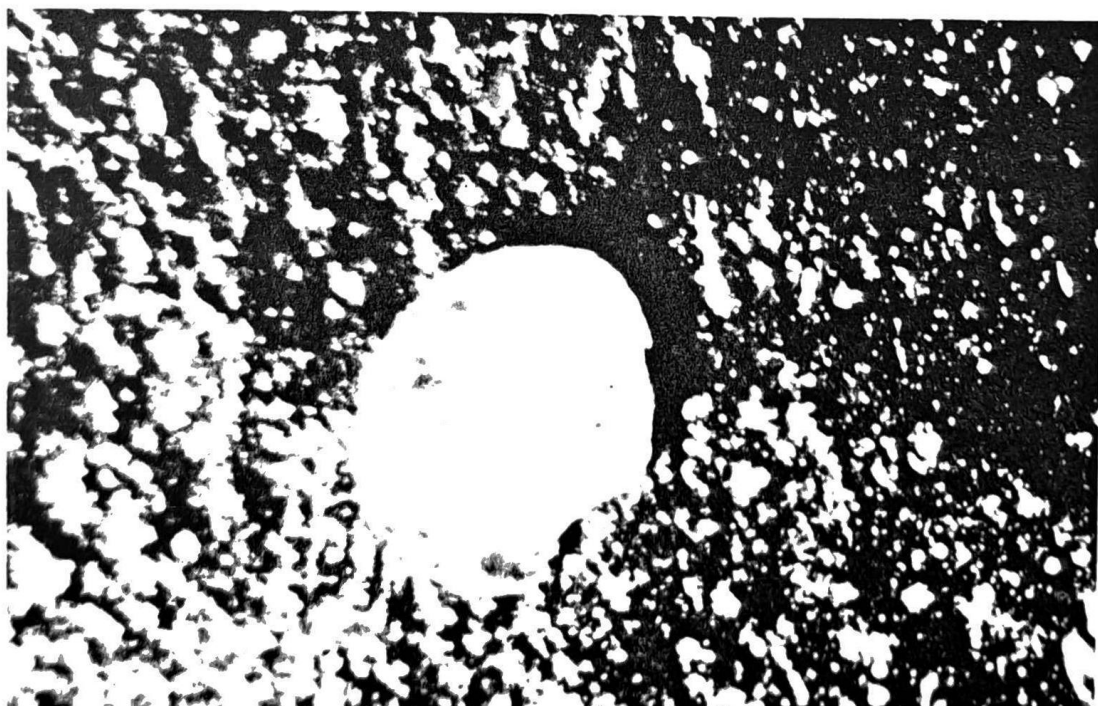
Should such a thing happen even by accident, and an atom bomb explode deep in one of our fresh water lakes, with thousands of tons of hydrogen available, there could result a blast of such intensity that it would envelop the entire planet in a few seconds, vaporizing everything on its surface and maybe even shattering the core, and producing a celestial display visible throughout our galaxy. Unfortunately, we would be in no position to observe it as we would have ceased to exist.

The foregoing is not idle speculation. It is based on the same data, calculations and measurements which produced the atom bomb, and the fact of the bomb is grim testimony to its potentialities. We may well ask ourselves the question: we are crossing the threshold, but are we entering or just leaving?



Top: The mysterious chunk of metal as photographed in a Canadian government laboratory where it underwent a limited amount of tests and analyses by the late Wilbert B. Smith. The white lines shown on the metal were placed there by WBS for identification purposes.

Bottom: Shows one of the inclusions on the outer surface of the metal taken with the aid of microphotography.



were unable to find anyone in the Les Ecureils area who had actually heard or seen the metal fall—strange, in such a small town. So the manner in which the metal arrived at the scene still remains a mystery.

The Area. At Les Ecureils, the river bank drops sharply to a relatively flat shale bed which extends for nearly a quarter of a mile to the deep water shipping channel. The channel is separated from the shale area by a jumble of large boulders. The river is tidal so that the area of the find varies from dry to a maximum depth of water of about 1½ feet.

The Find. A local resident, who supplements his income by beachcombing, covered the area pretty thoroughly the first day or two of June. Then came three days of rain during which he did not work the area. When the weather cleared, he found the two pieces of metal on the shale bed.

Deposition of the Metal. The finder, unable to handle the larger chunk, loaded the small 800-lb. piece and sold it for one cent a pound to a scrap metal dealer in Quebec City where it was erroneously classified as non-ferrous metal. The large magnetic crane used for handling the scrap, would not lift the metal due to its low magnetic permeability, so it was pushed into a pile of non-ferrous scrap and eventually shipped to Japan. As for the larger piece of metal, rumor of the find reached the Canadian Arsenal's Research and Development Establishment (CARDE) in the area, which, thinking it might have been part of a space capsule, picked it up for investigation. On completion of their investigations, CARDE eventually handed the metal over to a club member who, at great difficulty, trailered the heavy object to Ottawa where it is now in the custody of the club.

The Findings. After analysis, CARDE reached the following conclusions: "The X-ray diffraction analysis indicated that the unidentified object consisted of a metallic face-centered cubic compound, with a unit-cell dimension agreeing with those of (1) austenitic steel, and (2) meteoric iron. The semi-quantitative spectrographic analysis showed, however, that there was insufficient nickel present for the material to be of meteoric origin. The amount of manganese detected in the spectrographic analysis suggests that the metallic material is best described as high-manganese austenitic steel. This is consistent with the very weak ferro-magnetic nature of the metal. The iron oxide and the hydrated iron oxides on the surface are normal results of the exposure of steel to the atmosphere. The amounts of quartz and calcite detected by X-ray diffraction are very small, and are common extraneous materials. The low nickel and high manganese content are not consistent with a meteoric origin, whereas they are consistent with common high-tensile steels. The object is therefore considered to be of terrestrial origin."

Another report states in part: "The metal object proved to be a mass of high strength metal which had fallen, or had been dropped, while in a plastic

state, and had splattered like a ball of mud. It was 6 ft. in diameter and 2 ft. thick at the center. At the center of the body, there was an outline of a tube about 10 inches in diameter which protruded from the mass about 6 inches. A small electronic potting can was imbedded near one of the outer edges. By scratching away the potting plastic, it was possible to identify an electronic component which appeared to be a transistor. There was also the imprint of another electronic can which appeared to have been removed by curio seekers. It is not considered that the object fell in the location where it was found, because there was no crater or splattered material in the vicinity. The tidal flats at this point are solid rock. An analysis by CARDE revealed that the metal is an alloy with high manganese content. CARDE personnel who are familiar with foundry operations, consider it to be a normal product of a foundry consisting of slag with semi-molten scrap imbedded. Their investigation did not reveal any electronic components."

Despite the findings of CARDE, an element of doubt exists as to whether these are completely accurate. Although they considered the object to be of terrestrial origin, laboratory experiments on the metal carried out by the late Wilbert B. Smith and co-workers, resulted in a number of unusual reactions not consistent with the normal behavior of terrestrial metal. This was most evident when a small piece of the metal was heated with an acetylene torch which caused it to blossom into a miniature white cloud with extremely bright sparks in it—a sort of A-bomb in miniature. WBS concluded that the magnesium went exothermic, reduced the ferrite in the spinel crystal structure, formed the cloud and left the iron free to burn with O_2 in the air. He warned that anyone attempting to heat a larger chunk of the metal might very well fry himself! He also considered that the intense heating should have burned the object worse than it did and he therefore reached the conclusion that it could not have been a blast furnace product. Further experiments revealed that some parts of the metal could not stand too much heat, thus limiting the possibilities as to why such a manufactured item came to grief. In testing the metal with the acetylene torch, it was noted that the resulting sphere, with its intensely brilliant shower of sparks, burned until nothing remained—with no residue or slag common with Earth metals.

CARDE suggested that the metal may have been slag from a foundry brought to the area via an ice floe. The facts of the case, however, do not bear this out. The nearest mills are many miles from Ecureils—and it was the month of *June*! The material is not a common foundry product, and even if it had been, one wonders why the foundry would waste 3,000 pounds of metal!

More Mysteries. How the metal arrived at Les Ecureils remains the biggest mystery of all. The maximum depth of water at high tide and the closely-spaced boulders along the shipping channel would seem to rule out any possibility of arrival by boat or raft. Had it fallen from the sky, the noise

would have been earth-shaking. Even a small meteorite sounds like a rushing freight train.

A further mystery, indicating the possibility of exposure of the metal in outer space, is that the outer surface, under powerful magnification, shows minute inclusions which well may be micro-meteorites picked up during a long sojourn in space. The Club has in its possession a series of photographs of the outer surface of the metal, taken with the aid of micro-photography, in which these inclusions can be observed quite clearly. The density of these particles is about 30 per square centimeter. Dr. Peter Millman of the Canada National Research Council, estimated that micro-meteorites of this size would occur through a sq. cm. section at about 10^{-6} second, so it would take about a year to accumulate such a density.

Analyses. Several chemical analyses of the metal have been made by the club. These vary, indicating that the mass is not homogeneous. To date, the club has been unable to find any organization with the proper facilities, willing to carry out a mass spectrographic analysis to determine the number of isotopes in the various elements contained in the metal. If this could be done, it would establish whether or not the material is of terrestrial origin, although, of course, there is always the possibility that other planets may have the same minerals as Earth. And even if it were proved to be of terrestrial origin, there still remains the intriguing mystery of how it arrived on the beach!

EDITOR'S NOTE

Since the original article on the "Mysterious Chunk" was written, additional information has been gathered and new evidence formulated which suggests that this "finding" may well represent evidence of some sort of unearthly material.

UNIDENTIFIED HARDWARE MYSTERY DEEPENS.

As a result of a plea for UFO hardware for laboratory tests as put forward by Dr. J. Allen Hynek in his article, "White Paper on UFOs" (Christian Science Monitor, May 23, 1967), the Ottawa New Sciences Club had written to Dr. Edward Condon, heading the group of University of Colorado scientists commissioned by the USAF to investigate the UFO problem, enclosing a copy of the foregoing and suggesting that his group might consider it worthy of further analysis in view of the somewhat mysterious circumstances surrounding the finding of the metal and subsequent tests on it. This letter was sent on June 21, 1967 and during the 3-month period of silence that followed, it was ascertained that a good many others who had written to Colorado had received the same "silence" treatment—not even an

acknowledgement of their letters. On Sept. 11, 1967, our club secretary wrote again to Dr. Condon, this time by registered mail, requesting a reply to the offer made by the club. On Sept. 22, 1967, a reply was received from Dr. Condon's secretary, apologizing for the delay and stating that the matter had now been placed in the hands of a Dr. Roy Craig. On Sept. 29, a letter was received from Dr. Craig, the first paragraph of which reads: "Your letter to Dr. Condon written on June 21, 1967, recently came to my attention. The piece of metallic material you mentioned, since it cannot be related directly to an unidentified flying object, would not seem of sufficient value to our study to warrant further analysis by us." This cursory brush-off was not entirely unexpected, as by this time we had gained the distinct impression from colleagues in the U.S. and elsewhere, that the Colorado project was not an all-out effort to solve the UFO mystery and was likely to be over-shadowed by USAF policy.

What followed in Dr. Craig's letter, however, was decidedly intriguing, as it consisted of a request to supply him with copies of official reports on the Canadian "Project Magnet," as he had failed to obtain them from another "source". One can only wonder at the manner in which the Colorado project was being conducted, as surely the obvious thing would have been to request this material from the Canadian government department concerned—or could it be that the Canadian government was not "playing ball" in this regard? This, in turn, would seem to raise the question of exactly how much cooperation exists between Canada and the U.S.A. in their respective governmental UFO research programs?

In view of recent developments in connection with the chunk of hardware at Ottawa (more of which to follow) we cannot help but think that Dr. Condon, in turning down our offer, may have missed a wonderful opportunity to produce something concrete in his UFO findings—unless, of course, something positive is not exactly what he was looking for. Dr. Condon's public statements on UFO matters have not reflected a particularly positive attitude. To quote an extract from the NICAP publication "The UFO Investigator" of Oct. 1967: "Several times, however, Dr. Condon has made negative public statements about UFOs, even though he has taken no part in any field investigations of sightings. Some press media and members of the public have, therefore, questioned Condon's objectivity." With this in mind, plus the "silence" treatment meted out by Colorado to many who have offered constructive suggestions for the solution of the UFO mystery, it is small wonder that many Ufologists and a large proportion of the general public fear a "whitewash" as the outcome of the investigation. Further doubts are added to general misgivings by a careful study of the AF-Colorado contract as published in the Nov.—Dec., 1967 issue of "UFO investigator". While NICAP officials who have worked with the Colorado project scientists at Boulder are convinced of the individual integrity of most