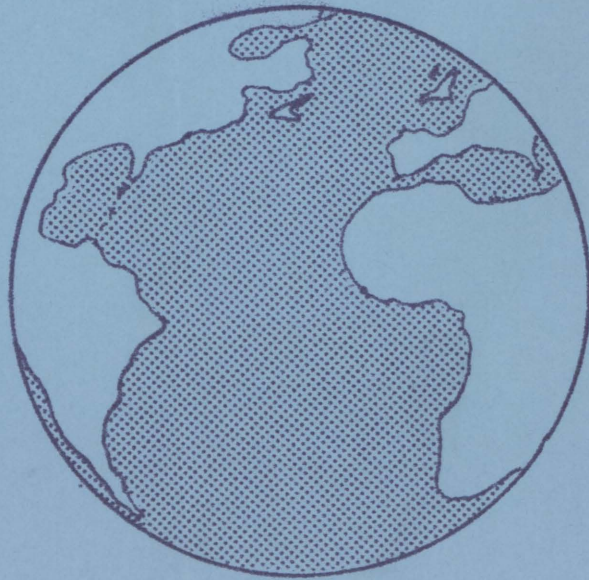


Canada

Winter and  
Spring 70

# TOPSIDE





## T O P S I D E

Published by: OTTAWA NEW SCIENCES AND CONTACT (CANADA) GROUP  
95 Centre Street, Aylmer East, Quebec, Canada.

Subscription rate: \$3.00 for 4 issues (approx. quarterly).

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NUMBER 33

WINTER AND SPRING, 1970.

### THE CONFIRMED NEW YEAR MESSAGE FROM NIKOLA TESLA AS SPOKESMAN FOR THE SPACE BROTHERS.

Our Blessings and Loving Greetings to you all as you enter your New Year! We come, in great numbers, bearing Torches of Light to penetrate the darkness on your planet. Even as you read these words, you will feel the inner glow of the Vital Flame of God enter your being, bringing great spiritual strength and courage to face the troublesome days that lie ahead. But be of good cheer, my friends, for they are but the birthpangs of the unfolding New Age and all of you who respond to the Light we bring will surely be safeguarded from all harm.

As we look down on what misguided mankind has done to your beautiful planet, we see a sorry mess which saddens us - wars, hate and violence, poverty, famine and genocide, increased alcoholism, mass drug addition even in your young, the irresponsible pollution of your natural resources upon which your very survival depends and a general slackening of all ethical and moral principles. Alarmed, we watch many of you sliding down the slippery road to self-destruction. We feel sad for you but not hopeless, for by the Grace of God, you are to be given yet another chance to save yourselves and your planet from physical annihilation. A great conclave of Advanced Beings - the Light Bearers - is converging upon your planet in a dedicated attempt to save you from yourselves and avert a cosmic tragedy. But you too, must play your part with a matching emanation of Light signifying your desire for better conditions on Planet Earth, for we cannot interfere with your free will, but if sufficient of you pour out earnest prayers that Good will prevail in your world, then this will give us the "green light" to go ahead and defeat the forces of darkness. NOW is the hour for this great outpouring of your Light, for you have just embarked upon the most critical period of Earth's history.

Many of you are wondering what 1970 and the new decade will hold for you and your world. So we will give you as much as we are permitted to divulge. During this decade your technology will advance by leaps and bounds, but unless the powers who control it radically change their ways, it will prove a mixed blessing indeed. Inevitably, certain benefits will accrue to humanity for it is God's Law that Good comes out of everything, but we must warn you that many of your scientists are proceeding along the wrong track and that unless great caution is observed, they will create Frankenstein monsters which will devour you. We repeat that until spirituality is more closely linked with your science, much of your "progress" will only lead to an exchange of one problem for an even greater one. You already have a frightening example of this in the indiscriminate use of your chemical poison called DDT which has done some irreparable damage to life in



your world and unless checked immediately, will seriously upset the balance of ecology. Will you never learn that all God-given life is interdependent and man is no exception? Why do you continually poison all life with noxious substances when God, in His bounty, has given you natural elements to cure all your ills and problems? You say your Justice is blind. We say your Science is blind - and deaf to the warning rumblings around it.

We are particularly concerned at the course some of your medical scientists are taking, especially in the area of transplanting human organs from cadavers to living people - this is wrong, my friends, you are tampering with nature and creating an offense in the eyes of your Creator. In your ignorance, you play with dynamite from which there will be severe repercussions and a heavy Karmic toll involved. Let me tell you the truth of this matter. Every living cell in a human being belongs solely to that particular body. Although minute, each cell contains everything physical and meta-physical about that person for whom it was divinely created. The physical body you inherit is an inseparable part of your karmic destiny designed specifically for you and the course you must take for a given number of years. What happens then when alien cells are introduced into another body? Nature, in its greater wisdom, tries to reject them. If, by artificial means, these cells are forced to inhabit an alien body - and particularly if a human brain were to be involved - they may for a while appear to function physically, but in the end a metaphysical conflict would develop as the human guinea pig tries unsuccessfully to cope with two karmic patterns. This can only result in mental confusion and finally complete derangement. If you continue this unholy practice, we predict your mental sanatoria will be filled with the insane.

Your medical profession leaves much to be desired. Why is there so much emphasis on surgery and curative medicine, rather than greater research into the cause of your human diseases, i.e., preventative medicine? Technologically, your medical scientists have made great strides and undoubtedly much knowledge will be gained from this which will eventually benefit humanity, but while they are taking the long hard road to achieve this knowledge, millions will continue to suffer and die. There is a quicker, simpler and much safer way - a better understanding of natural laws and in this regard your ancient medicine men were nearer the truth than your modern medicines. God has provided natural cures for every human ailment and disease. They are to be found mainly in your vegetation - leaves, flowers, seeds, fruits, barks, roots, etc. Attunement with God, a closer study of nature and the development of your metaphysical senses will lead you to these natural cures. We are permitted to tell you this much - there is a natural cure for cancer to be found in the bark of a tropical tree which abounds in the jungles of South America. We have given you the clue and now, under Cosmic Law, it is up to you to seek this life-saving remedy.

Many of your health problems are the result of a faulty diet, such as eating animal flesh and fats, refined and adulterated foods, bleached sugar and bread, manufactured mixes, pickles, etc. containing chemical compounds, toxic beverages and a heavy preponderance of starchy foods. For better health, turn to nature which has provided all the protein, carbohydrates, vitamins and minerals you need. For those of you who can, grow your own garden produce and eat it fresh. Other of your health problems stem from tension as you strive to keep pace in a competitive world. So-called 'tranquilizing' drugs are not the answer, indeed harmful. Again, there are simple, natural remedies. Get out into the fresh air and practice slow deep breathing, with even slower exhalations - within a few minutes your taut muscles and mental tension will relax. Take time off daily to sit in silent meditation. Even



5 - 10 minutes spent thusly will revitalize your whole body to carry on your daily tasks with renewed vigour. We emphasize this pearl of wisdom as the magic elixir of physical and spiritual health.

In an effort to direct the minds of Earth scientists towards the True Science, we are projecting a Stream of Thought Forms that will reach the more enlightened of your scientific body who, inspired by the inner visions they see, will contact and collaborate with other like-minded scientists throughout the world, thus bringing about the dawning of the New Age Science. We tried the individual approach with indifferent success in a world which regards advanced thinkers as cranks and eccentrics (as indeed was my own experience on Earth!) and now we are trying the collective approach of Group Consciousness. A large band of space scientists has grouped together in an attempt to direct Earth Science on to its true course, i.e., the utilization of God's natural laws for the benefit of all. My own particular project in this is to impress upon the minds of your scientists the vital importance of the development of under-sea exploration as a solution to many of your problems. The answer has always lain at your feet, but in your blindness, you ignored it and, before you were ready, you turned your eyes rather to the heavens. You must put your own house in order before you can expect to be a welcome visitor on other, more advanced planets - in short, Hydro Space before Outer Space. In the sea, from whence your original life forms came, you will find some of the God-given answers to your present dilemmas - food for your hungry millions, vast natural resources for your economy, marine medicines for your sick and an unlimited store of invaluable knowledge which your scientists can use to aid your entire world. If you search among my writings, you will find the nucleus for ideas of submarine inventions for under-sea exploration. Now that your technology has advanced, we can impress the more open-minded of your scientists with even more sophisticated submarine vehicles and other equipment for safely probing the depths of the sea. Watch for developments in this and other scientific areas during the 1970s which should also see the recognition of the Science of Metaphysics as an accepted fact of life, together with the existence of extraterrestrial life on other planets and in outer space.

As we survey the economic chaos in your world, we see an artificial situation created by the monetary powers-that-be who, fearful of the stronger voice and reactions of the working public, are attempting to cut them down to size by the introduction of "tight money". At present, many of you are suffering from the effects of what you call inflation - a strange paradox in which you work harder for more money which is increasingly worth less and less. The 1970s will see an increasing battle between Management and Labour, with many shrewd tricks being pulled by those who hold the purse-strings. It will be a long and hard fight, with continued strikes, demonstrations and financial hardships for many, but in the end the gains will go to the working masses who, better educated and more aware of their rights, will win the last battle. Before the end of the decade, there will be a crumbling of the power of the monetary barons who at present control your world economy and the gradual establishment of a new and more stable system of honest value for work performed. You must, however, be prepared for continual changes and adjustments over the '70s, some of which will be most unpalatable to many, as the old order changeth. So put not your faith in material things, but live each day as if it were your last, using every opportunity to do good unto others and thus build up your spiritual banking account which is the only thing you can take with you when your time for transition comes.



On the political scene, there will be continued strife between nations, the Vietnam War will slowly peter out only to be replaced by a graver danger and unless prompt action is taken by world powers, the tinder box situation in the Middle East will suddenly explode. China will surprise the world with a totally unexpected move and the little country of Denmark will initiate a major step towards the development of a humanitarian cause. Britain and Germany will do much to bring about a stabilized and strengthened Europe - we even see the possibility of a united Germany but it will be a matter for the bargaining table. Britain, despite her territorial losses and economic problems, is still destined to play a vital role in world affairs, but it will be along the lines of her scientific, intellectual and spiritual resources. Over the '70s, there will emerge from her universities a new concept for life on your planet, a World Plan which, if adopted, will greatly benefit all humanity. In the mid-70s, there will be the distinct danger of a global war. Much will depend on the ingenuity and some secret deals on the part of your world leaders to avert this great calamity, although we feel that in the end, reason will prevail. Again, we urge a strengthened United Nations to solve your international conflicts and we repeat that it is your only hope of Peace on Earth. Although this Organization is far from perfect at present, it is nevertheless the nucleus for future World Government and under no consideration should it be disbanded, or you are indeed lost. Many of you have lost faith in the U.N. and believe it to be infiltrated by undesirable elements. This is partly true, but you don't abandon ship when caulking a few holes will save the boat. Let me show you the other side of the coin. Ever since its inception, we have had our secret envoys, physical and metaphysical, working in the U.N. and we are continually impressing the minds of its members with humanitarian concepts. Many of the U.N. representatives are merely speaking puppets for the propaganda machinery of their countries, but the day will come when, brought about by a world crisis, they will stand up and speak their own minds and this will be the beginning of a new era for the United Nations. We therefore ask you to discard your negative thoughts about the U.N. and constantly visualize it as the future seat of a wise World Government.

As we survey the present spiritual status of Planet Earth, we see a pattern of Light and Shadows and what we behold is a strange paradox, for interspersed between the murky shadows there are glowing beacons of Light. There are many areas of misty grey, the colour of Apathy, but twinkling all over your world are spearpoints of Light emerging from individual souls who are reaching out for greater enlightenment. We urge those of you with the Knowledge of Light to concentrate your thoughts on the large grey areas of humanity, the neutrals, the fence-sitters of life, in an effort to re-ignite in them the Divine Spark. Many of them are groping in their misty shadows for this Light but know not which way to turn, for their churches and organized religions have failed them in their greatest hour of need. They are sick of trite platitudes and wordy sermons - what they need is a simple humanitarian philosophy of brotherly love such as Jesus Christ taught out in the fields or by the shores of Galilee. There is still time for your Christian ministers to give up their out-moded creed, dogma and meaningless jargon and get back to the simple truths of Christ, but with so much ground already lost and their churches empty, they must now go out as Jesus did and seek the multitudes. To those with the courage to do this, we will inspire their minds with words of wisdom to reach the many who are seeking spiritual help. For the most part, we depend on your active workers who are spreading Light and Spiritual Truths by the printed word across your



world and to these Sowers of Seeds we extend our Blessings and grateful thanks. Over the past 2 decades there have been born on your planet a large number of souls with inborn humanitarian principles and metaphysical leanings. You have already seen some evidence of the development of this in your young people who are drawn to Astrology and other mystical subjects. By the mid-70s, their minds will have matured to the degree that they will know that for which they are really seeking and we predict that by the end of the decade, there will be millions of your people walking in the Light!

In summing up the 1970s, we see a pattern of constant change. Many of your old traditions will be thrown overboard to be replaced by strange new concepts to which only the young will fully adjust. For most, it will be a disturbing period which will see many of your present freedoms slowly whittled away in an attempt to regiment the masses. You must not stand idly by and allow this to happen but put up a non-violent fight for your natural rights. For each of you who does this, there will be one of us behind you joining in a Holy War that Justice and Peace may prevail on your planet. To your world leaders we issue a stern warning to tread warily on this course of deprivation of human rights, for if they do not, it will surely boomerang upon them, leading to chaos and a world revolution. You must not be discouraged by the picture we paint but rather see it as a wonderful opportunity for you to play your part in bringing about the new Aquarian Age of the brotherhood of man and human dignity for all. To this end, we shall be working beside you all along the way, so continue in good faith that all is well and constantly pray for the enlightenment of mankind on Earth. In doing so, you will find your own inner peace.

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THE LINK-UP WITH CONTACT

by Carol Halford-Watkins.

FLYGP  
PARA

I am pleased to announce through Topside, its affiliation with CONTACT, a world-wide, non-profit-making Educational Movement, whose aims, objectives and philosophy are very much in line with the policy of this publication. Until recently, CONTACT (CANADA) was operated by Mr. Jim Deacove, now of Perth, Ontario, but due to the expansion of his duties in the field of group community work, he was reluctantly forced to give up his position as an active organizer for CONTACT in Canada. In November, 1969, I received a letter from the Hon. Brinsley Le Poer Trench, International Chairman for CONTACT, asking if, in view of the similarity of our work in spreading knowledge and spiritual truths, I would consider taking on this role. While wholeheartedly supporting the splendid objectives of World Unity as envisaged by CONTACT, bearing in mind my own heavy workload and limited time, I was initially somewhat hesitant about accepting this offer, feeling that I was not in a position to do it full justice. However, on being reassured by the International Chairman that the main part of this work could be conducted through the pages of Topside, and rather than see CONTACT (CANADA) fold up, I finally agreed to work for the project in this manner. I have been informed that in taking over CONTACT (CANADA), I automatically become a member of the International Committee and as such, I hope to publish periodically official bulletins from CONTACT's London, England Headquarters, giving details of the progress of this Worldwide Movement and other interesting information for the benefit of our readers.



Mr. Deacove has been most co-operative in sending me the mailing list of registered members of CONTACT (CANADA) (from which it is interesting to note that a number of Topside readers are already members) and his files of correspondence (which will be treated as confidential) and material pertaining to the development of CONTACT (CANADA) to date. In his letter to me, he gave some suggested guidelines for its future operation and kindly offered some help with this. As soon as time permits, I will write personal letters to existing members to get acquainted with them and ask for their continued support and suggestions for the future development of CONTACT in Canada.

For the benefit of any of our international readers who may wish to become members of CONTACT, I will outline briefly its aims, objectives and future plans, which include a most important project - preparation for an actual meeting with the space people! Aims of CONTACT are threefold: (1) To investigate UFO phenomena in all its manifestations. (2) To stimulate greater curiosity and so promote wider awareness in higher levels of consciousness. (3) To form a link with people everywhere who share these aspirations. Objectives include the study of New Age subjects such as Telepathy, E.S.P., Metaphysics and allied subjects to educate humanity to a greater awareness of themselves and to prepare for the coming meeting with space people. Its ultimate objective is to form a worldwide united body of people who, educated in an awareness of Cosmic Truths, will invite highly evolved space people to visit them as their guests in open, friendly contact. In this regard, I can do no better than to quote the actual words of CONTACT's International Chairman, the Hon. Brinsley Le Poer Trench:

"WE ARE BUILDING A BRIDGE. It must be built on solid foundations. Those who know about the existence of the Sky People and what their coming at this time means for mankind, will be the Bridge between space visitors and earth people. It is through this Bridge that the Sky People will be able to reach the rest of humanity. Those who form this Bridge do not in any way consider themselves better than the rest of humanity. No arrogance is intended. Far from it. The fact remains that millions of people throughout the world know next to nothing about the Sky People and so this is an essential operation to assist our visitors to make contact without causing panic. We know that humanity with its long history of wars, cruelty to both its own kind and to animals, coupled with its inborn fear of the unknown, might react adversely to a more advanced civilization making contact with us.

"CONTACT with worldwide membership and, we hope, the support of spiritually-oriented groups everywhere, is ready to act as a Bridge for an initial meeting with extra-terrestrials. This is the most inspired and thrilling assignment that any group of people have ever undertaken! It has not been undertaken lightly. We feel it is part of a two-way PLAN. We know that the Sky People would not interfere with our evolution unless a sufficient number of people on this planet desired them to do so and even then, the decision would be entirely up to them. It is, I think, a Cosmic Law that a more advanced race does not interfere with the evolution of a lesser one, but the world today is in a very critical position, and there are now more spiritually-minded people in the world than ever before. Thus it is possible to put a two-way operation into action. We live today on the threshold of great events and without any doubt the coming days will be the most exciting and wonderful in the history of mankind."

CONTACT membership is open to all people everywhere of any colour, race and religion. In each country where CONTACT operates, there is a



least one International Committee Member and a National Association with its own Committee. Each country fixes its own subscription rates and retains its own funds to cover expenses and develop activities.

As Topside goes out to many countries of the world, I give below a list of the names and addresses of the International Organizers of CONTACT to whom our readers may write for membership or further details :-

ARGENTINA

Professor Richard A. Frondizi, Hipolito Yrigoyen 3560. 8<sup>o</sup>. 24, Buenos Aires.

CANADA

Mrs. Carol Halford-Watkins, 95 Centre Street, Aylmer East, Quebec.

CEYLON

Upali Amarasena, "Amarani", Galboda, Induruwa.

COLOMBIA

Albert Ron, Apartado Aereo 1320, Cali, Valle.

FIJI ISLANDS

Yugeshwar Prakash, c/o Derrick Technical Inst., P.O. Box 3722, Sambula.

HOLLAND

Miss Rey d'Aquila, Beeklaan 431, The Hague

ITALY

Dr. Alberto Perego, via Ruggero Fauro 43, Roma.

MEXICO

Ing. I.C.M. Norrie, Nuevo Leon 249, Mexico 11, D.F.

NEW ZEALAND

P.R. Austin, 175 Landscape Road, Mt. Eden, Auckland.

NORWAY

Nils Jacob Jacobsen, Disenveien 15, 111, Oslo 5.

PAKISTAN

M. Habibullah Bahar, c/o Habib Corporation, Satkhira, Khulna.

PHILIPPINES

N.A. Villarruz, 104 Roxas Avenue, Roxas City.

PUERTO RICO

Noel E. Rigau, 855 Las Marias Avenue, Rio Pedras, Puerto Rico - 00927

SOUTH AFRICA

Mrs. Evelyn von Vloten, P.O. Box 743, Durban, Natal.

SWEDEN

Mrs. Edith C.M. Nicolaisen, 411 Cedarsstrongat, Halsingborg 6.

SWITZERLAND

Miss Marie D'Cruz, 37 avenue de Vaudagne, Metrin, Geneva.

TASMANIA

Alwyn Bird, 27 Sonell Street, West Devenport 7310.

UNITED KINGDOM

J. Goddard, Wynchlands, 43 Walton Bridge Road, Shepperton, Middlesex.



UNITED STATES OF AMERICA

Mrs. Madoline Teagle, 548 Steeles Corners Road, Cuyahoga Falls, Ohio, 44223

Any of our readers living in countries in which CONTACT is not yet represented and who might be willing to take on its establishment in their respective countries, should write to the International Chairman, giving their reasons for this and some background information about themselves. Please write to: The Hon. Brinsley Le Poer Trench, Flat 8, 57 Drayton Gardens, London, S.W.10, England.

As far as CONTACT (CANADA) is concerned, I invite all of our Canadian readers who are not already members, to join this worthwhile and progressive organization. At this initial stage of taking over CONTACT (CANADA), no registration fee is asked. All that is necessary to become a member is to be a reader of Topside in order to be informed of future developments of CONTACT both in Canada and internationally and to write me briefly as follows. "Please enrol me as a registered member of CONTACT (CANADA) whose aims I support." and, of course, give your name and address. There is absolutely no obligation attached to this. It merely signifies your support of the aims of CONTACT and willingness to be kept informed of its developments. Write to: Mrs. Carol Halford-Watkins, 95 Centre Street, Aylmer East, Quebec, Canada.

Later, I shall be writing personal letters to all Canadian members in order that we may jointly work out a program of closer contact and the future development of CONTACT (CANADA). In the meantime, I would like to stress an important point. Messages received from our space friends intimate that in the event of some important happening, such as a world crisis or an impending visit of the Space Brothers to make open contact with friendly Earth people, they will issue special messages for the preparation and guidance of CONTACT members who have signified their willingness to receive this help and to meet them in a brotherly manner. In this event, I will undertake to rush special bulletins to all enrolled members of CONTACT (CANADA). Letters from interested readers offering helpful suggestions on the future operation of CONTACT (CANADA) will be welcomed, given consideration and dealt with in the next issue of Topside.

In conclusion, I quote a personal message from the International Chairman of CONTACT, the Hon. Brinsley Le Poer Trench :-

"I am very happy indeed to welcome the Ottawa New Sciences and Contact (Canada) Group into our world-wide family group of CONTACT member countries. I wish them and TOPSIDE every success, and under the able direction of my good friend, Mrs. Carol Halford-Watkins, CONTACT in Canada will be in good hands."

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"OPERATION QUESTIONNAIRE"

Under the direction, drive and enthusiasm of its Global Co-ordinator, Antoni Szachowski, the "Operation Questionnaire" phase of the Petition to the United Nations for the establishment of an objective, scientific investigation into the UFO Problem, still grows apace and the following countries are now actively participating in the Project, with National Co-ordinators established in each country: Great Britain, France, Belgium, Luxemburg, Monaco, Malta, Holland, Denmark, Sweden, Norway, Spain, Portugal, Switzerland, Austria, Poland, Hungary, Rumania, Greece, Lebanon, Abyssinia, Sierra Leone, Congo (Brazzaville), Ceylon, Canada, U.S.A.,



Mexico, Argentina, Chile, Colombia, Honduras, Brazil, Eire. It will be noted from this list that there is no representation from those 2 important countries, Australia and New Zealand, and as some of our oldest UFO organizations, publications and pioneer UFO researchers have emanated from "Down Under", we invite some of our good friends who live under the Southern Cross to offer their services as National Co-ordinators for their countries in this much-needed and worthwhile project. Any who may be interested in taking on this important role may write either to the Editor of Topside or directly to: Mr. Antoni Szachowski, 75 Oakfield Road, Anerley, London, S.E.20, England.

For the information of our North American readers, the names and addresses of the National Co-ordinators for the U.S.A. and Canada are as follows: U.S.A.: Major Wayne S. Aho, P.O. Box 867, Eatonville, Wash., 98328. CANADA: Mr. John Magor, Box 758, Duncan, B.C. Both these National Co-ordinators need Regional Co-ordinators in various parts of their countries to assist in getting questionnaire forms signed and we therefore ask any of our American and Canadian readers willing to help in this capacity to write to their country's National Co-ordinator, offering their services. Such positive action will reap great karmic rewards. Topside wishes Antoni Szachowski and his U.N. Petition Project continued success in the coming year which hopefully should see Phase 2 - "Operation Global Voice" - come into being.\*

DELAYS - POSTAL AND OTHER.

The Editor deeply regrets that, due to serious illness in the family with a period of great anxiety, followed by personal sickness, typewriting problems, etc., there has been an unavoidable delay in getting out the Winter 1970 issue of Topside. We therefore ask for your sympathetic understanding in these circumstances and trust the present issue will prove worth waiting for. It is unfortunate that added to this delay, Topside, along with many other periodicals mailed by printed matter rate, now faces unusually long delays in delivery. The last issue of Topside was mailed from Ottawa mid-September and a month later, we received letters from U.S. subscribers saying they had not received this issue. An investigation into this revealed a curious fact- Topsides sent to England and other parts of Europe were received long before those mailed to the U.S.! In view of this earlier receipt in Europe, it seems the delay is not in Canada but the U.S. It now takes 4 weeks for Topside to reach Eastern States & over 5 weeks in Western States. In reverse, UFO mags from the U.S. take longer to reach Canada, a typical example, our exchange copy of "Skylook" took 5 weeks. Considering both countries are part of the North American Continent, this is pretty poor postal service. It would be interesting to know if non-UFO publications receive the same treatment. On Dec. 31, 1969, the Editor wrote to the U.S. Postmaster General, asking if there was any explanation for this delay in delivery of publications and whether an investigation might be made into the situation. To date, no reply has been received, although in view of the recent article in LIFE on poor American postal service, maybe the U.S. Post Office is being swamped with similar requests! However, if you want to receive your magazines earlier, we suggest you add your voice to that of the others. Don't be one of the "Silent Majority" - remember you are paying taxes as well as higher postage rates for this public service and are entitled to a better deal. Write to: The Postmaster General, Post Office Department, 1200 Pennsylvania Avenue N.W., Washington, D.C., 20260.

\* See "Flash Bulletin from Antoni Szachowski" on page 21.



THE LIFE OF NIKOLA TESLA.

Part 8 of a condensed version based on a tape recording by Arthur Matthews.

When, in April, 1887, The Tesla Electric Company with its spacious laboratory, was established at 33-35 South Fifth Avenue (now West Broadway), New York, only 3 blocks from the headquarters of Edison, his great rival in the electrical industry, the exultant Nikola Tesla immediately set to work, with buoyant enthusiasm, to produce the constructs for his polyphase alternating current power system. Within a few months, he had constructed a wide range of successful working models encompassing 3 complete systems of dynamo electric machinery to be operated on alternating current - single phase, 2-phase and 3-phase. He not only produced dynamos for generating the currents, motors for production of the power, transformers for increasing or reducing voltages, regulators, distributors and other equipment, but a number of unique devices for controlling all this complex machinery in a manner in which it could be inter-connected, and with modifications providing various methods of using each of the 3 systems. By any man's yardstick, this was a Herculean achievement in such a short period of time and particularly in an entirely new field of electrical science - and it could only be the work of some super genius, a man born far ahead of his age. Surely this adds weighty support to Tesla's repeated claim that he originated from a more advanced planet - Venus.

The amazing fact is that Tesla accomplished this mammoth task of constructing all this complex machinery without the aid of a single blueprint! But Tesla was no ordinary man. He was possessed of a super brain in which he was able to record permanently every part, down to the minutest detail, of all the mentally-visualized diagrams of his inventions and he had the strange ability of instant recall of all these technicalities. All the constructs produced in his new laboratory were based on mentally-devised inventions he had conceived following his inspirational revelation of the principle of the revolving magnetic field which had come to him in the Budapest Park 5 years earlier. The successful operation of the first working model of an induction motor operating on alternating current, which he had built and demonstrated in Strassburg, had given him all the proof he needed that his basic calculations were correct. "I did not make the slightest change" Tesla stated "in the machines I mentally constructed at that time." Tesla's complete faith in his poly-phase A.C. system was richly rewarded when the working models he had produced in his New York laboratory were put to critical testing, and every one worked perfectly. He then submitted his 2-phase motor for thorough testing by Professor W.A. Anthony of Cornell University. In his report, Prof. Anthony stated specifically that the Tesla alternating motor operated with an efficiency equal to that of the best direct current motors.

Within 6 months, Tesla had completed in detail every piece of the working machinery for the operation of his 3 complete systems on alternating current - a stupendous feat. How then was it possible that even a man of Tesla's scientific genius and physical stamina was able to produce in so relatively short a period of time, such a complex and revolutionary new concept which was to rock the existing electrical industry to its very foundations? By Tesla's own admittance, he commenced work in his laboratory at 10.30 a.m. and his average work day lasted until 5 o'clock the following morning - surely an intensive program of daily work which would have seen the early collapse of any ordinary scientist. Even allowing for Tesla's



unusual strength and his compulsive drive to produce an entirely new concept of electrical power which could span the world for the benefit of humanity, from whence did he obtain his abnormal mental and physical strength to carry on for such long periods of daily work over this 6-month period? Tesla had a secret. He called it "Nature's built-in safety device". Here, in his own words, he describes how it worked for him over the years:

"Most subjects to which I have ever devoted myself have called for such concentration of mind and strain of so dangerous a degree, that despite my rare physical endurance, my abused nerves would finally rebel and frequently I would be on the point of complete collapse just as the consummation of the long and difficult task seemed to be in sight. Without doubt, I would have paid a greater penalty later and very likely my career would have been terminated had not Providence equipped me with a safety device which, with the years, has improved and unfailingly it takes place when my forces are at an end. Thus, I have oftentimes been saved from the danger due to overwork which threatens other inventors - and incidentally, by this means, I need no vacations which seem indispensable to most people. When, on failing to find the answers to problems in my work, I realize that I am all used up, I simply do as the darkies, who naturally fall asleep while white folks worry! To venture a theory out of my experience, the human body probably accumulates, little by little, a definite quantity of some toxic agent and at these times, I sink into a near-sleep state which lasts half an hour to the minute. Upon awakening, I have the sensation as though the events and problems of my work immediately preceding this sleep state, had occurred very long ago and if I attempt to continue the interrupted train of thought on this work, I feel a mental nausea. Involuntarily, I then turn to other work and am surprised at the freshness of mind and ease with which I overcome obstacles which had baffled me before. When eventually, my passion for the work I have temporarily abandoned returns, I invariably find all the answers to the vexing questions with scarcely any effort!" Here is invaluable advice indeed for all of us when confronted with problems to which we cannot find the answers - a simple, natural remedy which produces remarkable results:

With all his inventions completed and working perfectly, Tesla instructed his patent attorneys, Duncan, Curtis & Page, to apply for one patent covering his entire alternating current system of dynamos, motors, distributors, transformers, etc. This was applied for on October 12, 1887, just 6 months after the incorporation of The Tesla Electric Company, but the Patent Office, baffled by this unusual procedure, turned down this "package deal" on the legal technicality that it did not represent one single original invention. They requested that the application be made in the form of individual inventions, with a separate application for each one. This request was complied with and on November 30 and December 23, 1887, respectively, 2 groups of individual applications were filed, and as each represented an original invention in an entirely new field of electrical science, the necessary patents were issued within a few months. These patents covered the Tesla single and polyphase motors, the Tesla distribution system and the Tesla polyphase transformer. In April, 1888, he was granted 5 more patents which covered the further development of the Tesla four and three wire 3-phase system. In that same year, Tesla applied for and was granted 18 more patents.

As news of this successive flow of patents appeared in technical journals, the eyes of the entire electrical engineering profession became focussed on the hitherto little-known Nikola Tesla. His discoveries and



inventions were quickly recognized as basic and fundamental to the development of the electrical industry on a scale never dreamed of before, which would result in vast new projects providing expanded opportunities for electrical engineers. As these new discoveries continued to emerge in quick succession from the Tesla Laboratory, the electrical engineers were naturally left bewildered at the terrific impact they would have on their profession and they were quick to recognize and applaud the remarkable genius of the Electrical Giant who had sprung up so suddenly in their midst. As a result of the staggering implications of the Tesla Alternating Current System, Nikola Tesla was invited to speak before the members of the American Institute of Electrical Engineers on May 16, 1888. In accepting this invitation, Tesla, after years of bitter struggle for recognition, finally had the satisfaction of knowing that at long last, he had been accepted as a leader of his profession.

With great enthusiasm, Tesla set about preparing, with meticulous care, the lecture he was to deliver into which he incorporated the basic mathematical theory of all his inventions which had been developed not only to operate at 60 cycles per second but could be applied with equal success to the entire range of low and high frequency currents. In giving this lecture, Tesla saw in it a wonderful opportunity to inform the electrical world, by word and demonstration, of the distinct advantages of his Alternating Current System over that of Direct Current, and most of all, to impress upon his audience the great desirability of the development of this economic source of electrical power which could be used all over the world for the benefit of humanity at large.

Tesla's lecture was destined to become the outstanding classic of the electrical engineering world for it represented the greatest contribution ever made, either before or since, to this profession and it established Tesla as the father of the entire field of the alternating current power system. His speech was described as "Simple but Majestic" and it received an outstanding ovation from the several hundred electrical engineers present at this meeting, as wholeheartedly they paid their just tribute to the man they now called "A Titan among Scientists".

Tesla's star was now in the ascendant. His dark days of want and poverty were over and from now on, there would always be sufficient funds for him to continue his scientific work in the field of revolutionary discoveries and inventions. However, as we shall see in the following chapters of the life of this remarkable man, his future life was not to be without its aggravating problems and frustrations, as his extraordinary talents were exploited by the big business tycoons who manipulated the finances of his era and repeatedly attempts were made to discredit him and to deny him the full credit for his outstanding genius. But Tesla, completely absorbed by his scientific investigations, moved serenely through all the machinations around him, never once falling into the spiritual trap of money-making for itself, and until the end, he retained his complete personal integrity as a dedicated scientist working for the benefit of all mankind.

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A Message to the Exploiters of the Masses, the Big Business Tycoons of Our Own Era:

"FOR WHAT SHALL IT PROFIT A MAN IF HE GAIN THE WHOLE WORLD AND LOSE HIS OWN SOUL?"



MORE MYSTERY ADDED TO OTTAWA'S MYSTERIOUS CHUNK OF HARDWARE!

As most of our readers will know, for over 9 years now, we have been endeavouring, by every means available to us, to establish positive identification of the 3000-lb. mass of metal found, under mysterious circumstances, delicately balanced on a rock on a boulder-strewn shore of the St. Lawrence River, near Les Eucreils, Quebec. Despite the fact that the Canadian federal agency that picked up the mass for investigation (and in one report admitted evidence of an electronic device embedded in it), finally wrote off the metal as "foundry waste", subsequent tests carried out in a government laboratory by our founder, the late Wilbert B. Smith, led him to believe that the metal might be of extra-terrestrial origin. Further weight was added to this theory when photographs of the inclusions on the outer surface of the metal, taken with the aid of micro-photography, revealed what appeared to be micrometeorites, suggesting a sojourn in space. Over the years, a considerable number of independent tests and analyses have been carried out by metallurgists unaware of the background of the metal, some of which have given further support to the extra-terrestrial theory. Mr. Ronald Anstee, founder of the Montreal UFO Study Group, has played a very active role in arranging for a number of these analyses, one of which, carried out by a professional metallurgist in Montreal, again unaware of the history of the metal, included statements to the effect that the material had undergone heavy impact, that its composition did not correspond to any known commercial manganese steel and there was possibly an element in it they knew nothing about. Further tests were carried out by Professor John Jonas of McGill University, which left his scientists so puzzled that he suggested that we get in touch with his colleague, Dr. Eric Smith of the Federal Mines Branch, asking him to conduct an investigation into the metal. This was done and in Sept. 1967, Dr. Smith examined the mass on site, took samples and promised a full report on his findings. After 2½ years of continued delaying tactics, we are still awaiting his report! Finally, in 1969, Dr. P. Millman of the National Research Council (who heads Canadian UFO research) expressed interest in the metal and offered to arrange a scientific investigation into it. Samples of the metal were passed to him by Lt.-Comm. Arthur Bray to whom Dr. Millman promised a report of his findings.

We now take up the story of more recent and highly intriguing developments of the investigation of the metal. In Sept. 1969, our Secretary received a letter from Mr. Arthur Matthews, requesting permission to test the chunk on site with what he described as a Tesla Bridge device which he claimed would indicate if the metal had ever been in space. In view of later developments, it is interesting to note that, before he made the test, Mr. Matthews made 2 somewhat significant statements in his letter: "The metal could be factory waste." and "I will not disclose the working of Tesla's Tester. Its description can be found in his old lectures." As we have always welcomed any scientific attempt to solve the metal mystery, arrangements were made for this test to be carried out on Sept. 28 at which members of our group and co-worker, Ronald Anstee, were present. (See page of photos) The test appeared to consist of stringing wires and a small, flat box-like object across the metal which were linked up to a tape recorder on which Mr. Matthews made two 6-minute recordings. Despite questions, Mr. Matthews declined to explain how the Tesla device worked. All that he admitted was that it had been used to detect flaws in metal railway lines. Three days later we received his report which was headed "To Whom it May Concern". After a lengthy preamble on the past history



of the metal (which did, however, include the intriguing statement that he had been requested to undertake the test by a person whose name he was not permitted to divulge), he came to the core of the matter, as follows: "It required many hours of careful study to complete the Tesla Bridge but only 12 minutes to test the block by means of Tesla's instructions. This test was recorded by transfer on to a magnetic tape and my study of this on return to Quebec proves without any doubt that it is a man-made form of iron and is without any doubt composed of earth-found ores. This piece of metal was never in space. Further test to prove my statement can be done if the complete block is applied to a reverberatory furnace. Please do not add any remarks to this statement which is final and complete."

Needless to say, this bald statement, with no scientific details to support it, was far from satisfactory to our group who were unable to accept the report in this form. We were not doubting Mr. Matthews' word, but understandably, we needed some scientific proof of his statement which otherwise would be laughed at by any true scientist. Questions abounded. What was the actual chemical analysis and composition of the metals found in the mass? What was the analysis of the inclusions on its outer surface? By what scientific method was it possible to determine that the mass had never been in space? And - Who was the anonymous "Mr. X" who had requested this test? At the request of interested parties, a letter was sent to Mr. Matthews, asking for a full scientific report explaining his findings and requesting answers to a number of questions. In a letter dated Nov. 7, 1969, Mr. Matthews replied briefly: "I have referred your request re my findings on the metal to the Federal Authority who requested the test, as these findings are confidential." Here was news indeed. So the mysterious "Mr. X" was a Federal Authority! As Dr. Millman has the responsibility for government UFO research and by Mr. Matthews' own admittance, he made 2 telephone calls to the National Research Council on arrival in Ottawa prior to the test, we could only assume that Dr. Millman must be the federal authority concerned. If our assumption was correct, then this in turn, raised more mysterious questions. Why had the test been conducted in such a secretive, roundabout way? Was it, in fact, a shrewd move made in the hope that we would more readily believe the findings of one of our own group than those from a federal source? Could Mr. Matthews possibly have been pressured into making the test? And so on.

Meanwhile, news reached us indirectly that Mr. Brian Cannon of Winnipeg, had received a letter from Dr. Millman in which he stated in effect that there was "nothing unusual" about the metal, that it was manganese steel and apparently ladle residue from the Sorel Foundry in Quebec which inserts a pipe into the hole where waste molten metal is poured and after solidification, the pipe is used to lift the mass of metal. On checking with Arthur Bray, we found that he, who had originated the latest request for a federal investigation, had received no word at all from Dr. Millman! More mystery. Therefore, in an attempt to clear up some of the mounting mystification, the following letter was sent by our Secretary to Dr. Millman on Dec. 9, 1969 :

"You will recall that when, earlier this year, you very kindly addressed our group on the subject of UFOs, etc., during the discussion period that followed, the question was raised concerning the 3,000-lb. chunk of hardware over which some mystery has existed as to its positive identification, you kindly offered to investigate this matter further. I understand that Mr. Arthur Bray passed on to you some samples of the metal for this purpose, but on checking with him recently, I was advised that to date, he



INVESTIGATIVE WORK ON THE  
CHUNK OF HARDWARE



Measuring the mass of metal.



Centre, Arthur Matthews testing tape play-back, and Carol Halford-Watkins.



Centre, Arthur Matthews setting up the Tesla device.



2nd left, Arthur Matthews; extreme right, Ronald Anstee holding chipped-off sample.  
Larger bits resisted all tools used.



Your Editor, and co-worker.



has not yet received a scientific report from you on your findings. Naturally, we are all very interested in the results of your investigation and look forward to receiving your full report as soon as possible.

In the meantime, however, there have been some recent developments which, if anything, have only served to add further mystery to the metal and I am therefore writing to you in the hope that you may be in a position to throw some light on certain aspects of the situation. In September last, I received a letter from Mr. Arthur H. Matthews of Lac Beauport, Quebec, a co-worker of our group, requesting permission to test the mass of metal on site with what he described as a Tesla Bridge device. As we have always welcomed any scientific attempt to solve the mystery of this metal, we agreed to this and arrangements were made for Mr. Matthews to carry out this test on Sept. 28, during which a number of us were present. A few days later, I received Mr. Matthews' signed report in which he stated in effect that he had been requested to carry out this test by a person whose name he was not permitted to divulge and he concluded with the brief statement: "-- my study of this (test) on return to Quebec proves without any doubt it is a man-made form of iron and is without any doubt composed of earth-found ores. This piece of metal was never in space. Further test to prove my statement can be found if the complete block is applied to a reverberatory furnace. Please do not add any remarks to this statement which is final and complete."

As a scientist yourself, I am sure you will be the first to appreciate that this bald statement, with no scientific or technical details to support it, was far from satisfactory to our group who found the report unacceptable in its present form. At the request of interested parties, I wrote to Mr. Matthews asking if he could make a fuller statement giving some scientific explanation as to how he arrived at these conclusions, and in particular, raising the following 3 questions: (1) What was the actual composition and percentage of the various metals found in the chunk? This information is required in order that your data may be compared with the analyses which have already been carried out on the metal by professional metallurgists unaware of its background. (2) What is your explanation as to the origin of the inclusions on the outer surface of the metal which were believed to be micrometeorites? (3) What scientific method did you use to determine that the mass was never in space? This is considered far more important than the actual composition of the metal as it is possible that other planets may have the same minerals as Earth.

In reply, I received a letter from Mr. Matthews dated Nov. 7, 1969, in which he stated briefly: "I have referred your request re my findings on the metal to the Federal Authority who requested the test, as these findings are confidential." As you have, among your other duties, the official responsibility for investigating UFO reports and related matters, we could only assume that the "Federal Authority" referred to in Mr. Matthews' letter must be yourself, Dr. Millman, but to get the record straight, I would appreciate it if you would kindly confirm or deny this assumption.

More recently, I have learned indirectly that you have advised Mr. Brian Cannon of Winnipeg to the effect that you are satisfied there is nothing unusual about the metal and that in your opinion, it is manganese steel, apparently being ladle residue from the Sorel Foundry which inserts a pipe into their waste molten metal for lifting purposes and the pipe leaves a hole after solidification. Again, it would be appreciated if you could confirm that this statement is correct. If it is, then this information is,



of course, of interest to us although it still leaves a number of unanswered questions. For example, the lipped protuberance in the mass can hardly be described as a "hole" left behind by a pipe, and according to one of the original C.A.R.D. reports on our files "a small electronic potting can was embedded 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." Then there is the matter of the inclusions on the outer surface of the metal. Did the Sorel Foundry have any explanation to offer with regard to the inclusions? As you know, photographs taken with the aid of microphotography, led the late Wilbert B. Smith to believe that these inclusions might be micrometeorites, and according to our records, you carried out some investigative work with him in this regard, estimating that micrometeorites of this size would occur through a sq. cm. section at about  $10^{-6}$  second, so that it would take about a year in space to accumulate such a density. We would also be interested to know how the metal mass was traced to the Sorel Foundry, how they were able after over 9 years to identify it as being their own ladle residue, and particularly their explanation as to how and why this 3000-lb. chunk of metal and its companion mass of 800 lbs. were transported some 50-60 miles up river from the Sorel Foundry to the location where it was found on the shore of the St. Lawrence River near Les Ecréils, Quebec. The finding of the metal in these strange circumstances has, of course, always been the biggest mystery of all and we would welcome any explanation you may have to offer as a result of your investigation. I am sure that you are just as anxious as we are to clear up some of the mystery which has surrounded the metal for so long and as, if your statement to Brian Cannon is correct that there is "nothing unusual about the metal", this matter can hardly be a "classified" or "confidential" one, I would greatly appreciate it if you could send me a full scientific report of your investigation, including any explanations you can offer for the questions raised in the foregoing paragraph, which of course, would clear up this matter once and for all. You will appreciate that a large number of people have become interested in this metal and therefore you would be performing a public service in supplying the requested information. We only want to get at the truth of this matter, but as a scientist, you will understand that in order to get any statement fully accepted, it must be supported by a scientific report from an authoritative source. Your kind co-operation will be very much appreciated."

To date, 2 months later, no reply has been received to this letter, which was not entirely unexpected. Did Dr. Millman find our questions too sticky to answer or was he adopting the safer course of the old adage that says Silence is Golden? We are not blaming him personally for this somewhat cavalier attitude towards a public request for information - in fact, we have some sympathy for the embarrassing position he now finds himself in. Even as a senior civil servant, he still has to take his orders from a higher authority and as long as governmental silence policy exists on such matters, this situation will continue although we believe the day will finally dawn when governments will recognize their moral responsibilities and give the public the true facts. However, the fact remains that Dr. Millman's silence has only added further to the mystery of the chunk of hardware.

Meanwhile, Arthur Bray has finally received a letter from Dr. Millman in which he states that the results of Dr. Smith's study of the metal samples show no evidence of extraterrestrial origin and therefore he feels there is no justification for further tests such as the neutron activation analysis suggested by Arthur. He said that Dr. Smith hopes to complete his report



shortly, that it will include some evidence of how and why the mass came to be located where it was found and that when available, a copy of the report will be sent. It was somewhat amusing to us that in referring to the questions raised in our letter, which we considered to be vital issues in the solution of the mystery, Dr. Millman casually dismisses them as "minor points" of no particular value! Understandably, the failure to answer these questions and to carry out the full tests suggested is not very satisfactory to us. Dr. Millman stated that competent scientists experienced no difficulty in recognizing the non-terrestrial nature of certain space material. He also deplored the mystery which had been built up around the chunk. These 2 latter statements we regard as the biggest enigma of all. If it is such an easy matter for scientists to determine the extra-terrestrial nature or otherwise of material tested, why has it taken the government over 9 years to produce a simple statement of the facts of the case, thereby itself creating much of the mystery that has surrounded the metal?

We shall await, with keen interest, receipt of Dr. Smith's report, details of which, together with our reactions to his findings, will be published in a future issue of Topside. For further interesting details on other developments of the investigation of the metal, we would refer our readers to an excellent article entitled More on Ottawa's Mysterious Chunk which appears in the Nov.-Dec. 1969 issue of "Canadian UFO Report", a copy of which may be obtained for 60¢ from Canadian UFO Report, Box 758, Duncan, B.C., Canada. Mr. John Magor, Editor of Canadian UFO Report, a magazine we wholeheartedly recommend to our readers, informs us that he has received considerable correspondence from people interested in the Chunk, as indeed we have, too. We quote as a typical example of comments received, the remarks of Mr. C.W. Fitch, the well-known ufologist of Cleveland, Ohio, who has followed closely the developments of the chunk mystery. He says: "Whatever you do, don't abandon your investigation at this point!" We can assure Mr. Fitch and other interested parties that we shall not abandon it, nor shall we be completely satisfied until every aspect of the mystery has been cleared up in a scientific manner, with solid proof of this. We shall hope that Dr. Smith's report will achieve this, but if not, we shall make space in our library, right next to the Condon Report, for Canada's version of it - and continue with our own private investigations. For the time being then, the mystery metal remains as big a question mark as ever.

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#### A MATTER OF BELIEF

Arthur Matthews has requested us to make it known through Topside that while he respects the beliefs of others, he does not personally believe in communication with the so-called "dead". While, in all truth, we cannot concur with Mr. Matthews' viewpoint, we equally respect his own beliefs.

Rather, we believe that the power of thought is a universal force and that mental communication between intelligent beings on all planes of existence is not only possible but an established fact, and we consider we have ample proof to substantiate this belief.

However, it has always been the policy of Topside to leave it to our readers' own inner convictions and intuitions to freely believe as they choose.



BRUCE CATHIE PROVES MORE THAN MATCH FOR SCIENTIFIC CRITICS OF "HARMONIC 33"!

As was to be expected, the publication, against all odds, of Bruce Cathie's book "Harmonic 33" rocked the Scientific Establishment to its foundations and a few of the more courageous members of this profession dared to openly criticize it - only to be suitably scalped by the author, who had done his homework very thoroughly and was able to talk back at them in their own language of mathematics! We are indebted to the New Zealand Airlines Pilots' Association for permission to publish the following account of one such encounter, as it appears in the Oct. 1969 issue of their journal "ALPA":

"It is not often that an active airline pilot writes a book and a successful one at that. The honour falls here to Captain B.L. Cathie with his "Harmonic 33" which to date is about to enter into its 4th edition. Although this controversial publication has already been widely read by N.Z. pilots, because there seemed to be a nice intangibility to both non-matter and UFOs, the Editor presented a copy to his twin brother, Dr. David King, both for his interest and in the hope of gaining a reasonably authoritative review. This, he was persuaded to do within the limits of his field, for besides his position on the faculty of the University of Tennessee as Professor of Physics, he is Director of Union Carbide's Research Laboratory at Oak Ridge where, during World War II, the first practical atomic reactor was built and today it is a national monument. Dr King expressed himself verbally as lost in admiration for Capt. Cathie's enthusiasm in attempting a treatise on such a subject as an amateur, but nevertheless gave the following criticism.

'In making a contribution to the literature of UFOs, Capt. Cathie is aware (p. 205) of the close scrutiny to which the Condon group has subjected all published UFO reports. Since the findings of the Condon group lead to scepticism regarding visitors from outer space, it behoves a writer in this subject area to be extremely careful. Regretfully, Capt. Cathie has not exercised this care. He blithely dismisses the notion of meteoric impact origin for terrestrial craters similar to that near Winslow, Arizona (p. 37, 39), thereby denying a large body of conclusive analysis. The further suggestion (p. 43) that Lake Pontchartrain, La. has arisen from some kind of explosion is untenable. The author is on safer ground in discussing the possible nuclear nature of energy release in the 1908 Tunguska explosion (p. 41), since the annihilation of a 1-lb. antimatter meteorite (p. 201) in the atmosphere would be equivalent to a 3-megaton TNT detonation. On this basis, it is unnecessary to invoke a visiting Saucer or attribute any special significance to the locations in diagram 2 (p. 98). Another body of misleading material is contained in Ch. 8 where it is averred that the triggering of nuclear reactions is dependent on geometric position and solar altitude. This is so contrary to common experience of criticality in fissile material as to require no comment.

'It is appropriate here to remark on books in which the theme is developed through mathematical reasoning. With such a powerful mode of expression, it is a clear responsibility of the publishers and their referees to ensure that the derivations are relevant and correct. Presumably their editor would expunge misspellings and split infinitives, by the same token he should remove -  $\log 2943 \approx 4,695$  (p. 95) - and if the author protests, the publisher should thereupon refuse to publish. With a text containing some hundreds of such mis-statements and other mathematical non-sequiturs, the publisher has plainly been derelict in his function."



Such a dismissal of the author's work sounded a little gruff from an ordinarily kind man. This prompted the Editor to ask Capt. Cathie if he had any comment as to its publication. He had.

"My reply to this is that I am not angry, worried or afraid of such a report and do not object to its publication as I am absolutely sure of the basic facts and postulations presented in my book. If I was worried by adverse reactions, I would not have written it. With due respect to Dr. King and his academic qualifications, his reaction is as I would expect from a scientist at Oak Ridge because the same reaction has been received from the scientific community of New Zealand. The fact that a layman, such as myself, has dared to encroach into their scientific backyard, has sent a wave of indignation and resentment through their ranks. I believe this attitude to be childish. As far as I am concerned, any one of them is welcome to fly an aeroplane if he has the ability to get it off the ground. I am sure of my facts because of the following reasons:-

1. The Condon Report - It was generally known round the world before the Condon Report was completed that 2 of the scientists had resigned from the Committee because a memorandum came to light which directed the chairman to issue a negative finding at the conclusion of the investigation. The report was a complete waste of \$500,000 of public money and was intended to reduce the interest of the public in UFO activity. Because of the Condon Report, Dr. King says I should be careful - I have been careful, Dr. King. Careful not to be hoodwinked by a half-million dollar scientific charade.
2. Large Craters - I stated that these craters were not caused by meteorite impact. Some of your own scientists agree with this and state that some of them were caused by explosions from under the ground. I am supposed to bow to the "large body of conclusive evidence" of the scientists which postulates their meteoric origin. Possibly it was this same large body of scientists who proved conclusively that it was impossible for a heavier than air machine to leave the ground. I make my living comfortably by flying one of these highly sophisticated impossibilities.
3. Tunguska Explosion, 1908 - Russian scientists agree with me in theory that this was caused by the disintegration of a space vehicle of some sort. I have further evidence of this which I will publish in my next book. Be prepared for another haemorrhage.
4. Atomic Disintegration - The triggering of an atomic explosion by the geometric positioning of the device and geometric alignment of the sun-earth relationship you dismiss with a haughty "No comment". I have on record in a Government Department in New Zealand, the fact that I can precalculate the times of atomic explosions by geometric method from the UFO grid. I have also just completed a series of calculations for an American scientist, each of which was correct. A large number of atomic test sites have been checked and all positions correspond with the geometric co-ordinates of the angular velocity of light and gravity acceleration. For example, Bikini and Eniwetok Islands are both 695 minutes of arc North latitude. 695 is the reciprocal of the angular velocity of light, as postulated in my book. Johnson Island is 169.50 West Longitude. Need I go on?
5. I was informed during an interview at the United States Embassy in Wellington that at Wright Patterson Airfield in the U.S., a scientific base has been established since the early 1950s for the purpose of U.F.O.



- research. The laboratory is staffed by top scientists and work is carried on round the clock, 365 days a year.
6. I was also informed at a subsequent interview at the Embassy that my grid theory is correct, this, of course, will be denied.
  7. A check of the positioning of many scientific stations round the world will show their correlation with the harmonic geometric co-ordinates derived from the UFO grid, which proves without doubt that the scientists are aware of the system.
  8. I have been asked twice if I can be bought off; I have been warned twice to stop my investigations.
  9. From study of the grid, I have discovered the harmonic equation for anti-gravity, which is as follows: Anti-gravity Harmonic =  $(2c + \sqrt{1/2c}) (2c)^2$  where 'c' = the harmonic of the angular velocity of light. The anti-gravity harmonic derived from the unified equation is equal to  $\pi/8$  or 3926990817. This I will fully explain in my next book, "The Harmonics of Anti-Gravity".
  10. Finally I will say, Dr. King, that scientists who work in glass laboratories should not throw academic bricks at the occasional layman, such as myself, who dares to look more closely at your scientific manipulations. If you check the geometric position of your physics laboratory at Oak Ridge, you will find the co-ordinates are:

Latitude  $36^{\circ} 01.647'$  North  
Longitude  $84^{\circ} 12'$  West  
Log sine  $36^{\circ} 01.647' = 7.7695$   
 $84^{\circ} 12' = 84.2^{\circ}$   
Log 695 = 842 (in grid harmonics)

And as stated before, the geometric value of 695 is the reciprocal of the angular velocity of light in a harmonic sense. It's in the book, Doctor.

With the greatest respect, B. L. Cathie, Captain."

Nice batting, Bruce! Your thousands of fans across the world are following the game with great interest! We look forward to your next book with further revelations. For any of our readers who have not yet read Bruce's fascinating and revealing book "Harmonic 33", it may be obtained for \$3.50, plus 17% postage by sea mail or an extra \$2.40 by air mail, from: The Murray Organization Ltd., P.O. Box 2237, Auckland, New Zealand.

NEW SUBSCRIPTION RATE TO TOPSIDE

Well, we held the line as long as we could, but in this inflationary era of mounting costs of materials and increased postage rates, we are now reluctantly forced to increase the annual subscription rate to Topside from \$2.00 to \$3.00 to cover our costs. All prior subscriptions received to date will be honoured at the old rate. While we have never made any profit from the publication of Topside, we are sure that it will be readily understood that we cannot operate at a loss. However, we assure our readers that every effort will be made to make future issues worth every cent of the increased cost! Cheques or money orders may still be made payable to Ottawa New Sciences Club under which name our bank account still exists. In the case of cheques, please add 25% to cover banking charges. Thank you.



ALEX LANGHOF AND THE SOLAR SERVICES GROUP.

Topside is happy to draw to the attention of its worldwide readers the splendid action-works for the benefit of humanity of Alex Langhof and his Solar Services Group who, since 1962, have been conducting goodwill missions to various parts of the globe to stimulate brotherly unity between nations and to spread spiritual truths for the enlightenment and progress of all sincere persons with whom they make contact on their travels. The Solar Services Group is located at: P.O. Box 6160, San Francisco, Calif. 94101, U.S.A., which may also be used as a forwarding address while Alex is on his travels.

The Group's main activity of service began in 1948 in Southern California and later spread to worldwide locations. First as students and later as active workers, this Group studied many philosophies in their search for the truth and as a result, advanced teachers have been assisted over the years. From 1962 to 1964, U.S. and worldwide tours were made to visit, interview and give audio-visual talks to diverse groups in many states and nations. Alex was then called upon to act as liaison co-ordinator-organizer between overseas people and groups for the foundation of the OGAMISAMA World Tour of 1964-65.

OGAMISAMA's Mission was one of World Peace Through Personal Purification and locating New Age Leaders and giving of Her Teachings to Mankind. Two Japanese people and four Americans travelled to the main continents for 9 months. During this period OGAMISAMA gave three discourses daily. In December, 1967, she ascended and her son, Wakagamisama and her grand-daughter, Himegamisama carry on, with the help of over 350,000 followers and thousands of co-workers around the world. OGAMISAMA told Alex that he could open doors for sincere people to progress. As a result, he and his Group have continued to open doors and expand the New Age Consciousness through sincere service. From 1965 to 1969, he has made 4 World Tours to all the continents and is presently on his 5th All-U.S.A. Tour. Further details of this progressive program of service and its future plans may be found in the enclosed pink and green leaflets. Any of our readers who may wish to play even a small part in this great service to humanity are invited to write to Alex at the address given above.

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FLASH BULLETIN FROM ANTONI SZACHOWSKI!

"I am pleased to announce that the head of a state, President of one of the 'non-aligned' (neutral) countries, has expressed interest in the U.N. Petition Project. He is seriously considering the possibility of giving the Project official backing when the time comes to present the Petition to the Secretary-General of the U.N.O. This will afford us a formal status, acceptable within the United Nations. As yet, I am not able to reveal the name of this President or the country, but will do so as soon as possible. We now have a National Co-ordinator for Germany (East and West). He is Dr. Bernhard Umbria, 1, Berlin 41, Plantagenstrasse 16<sup>1</sup>, Germany. But, as the Project becomes more successful, certain opponents are becoming more active. Lionel Beer now informs me that he intends to publish an anti-U.N. Project article in the next issue of his magazine. In reply, I quote the old Arab proverb: "While the jackals bark and the hyenas howl, the caravan is moving steadily forward." The Project will GO ON to its successful conclusion, just as intended and planned!"

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UFO CHRONOLOG.

Topside extends a very hearty welcome to the UFO publishing scene of a new bi-monthly publication entitled UFO CHRONOLOG edited by Mr. Joseph M. Erdhardt of 43 Richland Drive, Newport News, Va. 23602, U.S.A., and published by Patrick A. Huyghe. We feel that Mr. Erdhardt is to be highly commended on producing, after meticulous research, a publication containing a chronology of worldwide UFO sightings in great detail and yet simplified for quick reading under the Data Index System, and complete with explanatory glossary of UFO terminology and abbreviations. All this provides a very useful reference manual for UFO research, an invaluable historical record and a scientific approach which should not only put Ufology on a more reputable basis in the eyes of the scientific world but impress even UFO skeptics. As a new venture, UFO CHRONOLOG is understandably operating on a very tight budget and we therefore ask those of our more scientific and technically-minded readers to support this publication in order that this informative flow of scientific information may continue. UFO CHRONOLOG is presently sold by single issue only, at a modest 35¢ per copy, 2 for 65¢, 3 for 90¢, 4 or more, 25¢ per copy. We suggest that new readers order Nos. 1 & 2 of UFO CHRONOLOG in order to obtain the complete record of sightings to date and a full explanation of the EDIS system used.

Mr. Erdhardt is very well qualified to edit a magazine of this nature. After years of careful study and research into worldwide UFO sightings during which he kept extensive records in his personal files, his interest was sparked into more positive action by the great UFO flap of 1965. From 1966 thru 1969, he intensified his investigation, reading all reputable books on the subject, familiarizing himself with various UFO terminologies and becoming more closely acquainted with the numerous UFO organizations and publications. By the time the first issue of UFO CHRONOLOG was published in late August 1969, he had at his fingertips a mass of carefully-checked data which enabled him to plan features several issues in advance. His basic interest in the UFO field is scientific analysis of hard data. He abstains from theorizing to any great extent because very few facts have been firmly established. His purpose in creating UFO CHRONOLOG is to provide a fairly accurate and complete account of UFO activity from as many sources as possible and make this information available to scientifically-minded Ufologists who, for financial reasons, might not be in a position to collect all sighting data from the many publications now in existence.

UFO CHRONOLOG states as its policy: "The analysis and distribution of UFO data, the publication of important local and worldwide sightings and articles and factual theories concerning UFOs and related themes. Contributions in the form of articles are welcome although no payment can be made. We reserve the right to (1) publish in whole or part any and all letters sent to us unless marked "Personal" or "Confidential" and (2) to reject any and all submissions (including ads.) which the Editor feels would not be conducive to the improvement of the CHRONOLOG. Reprints of this non-copyright material may be used by other magazines provided authors of articles are acknowledged and UFO CHRONOLOG is credited, with the Editor's address. (See also ad. on page 26).

Topside strongly recommends this highly informative magazine to its scientific readers and UFO researchers in general. Order your copy of UFO CHRONOLOG today - and those early issues while limited supplies last!



BOOK NEWS AND REVIEWS.

by Carol Halford - Watkins.



THE PRINCE OF ATLANTIS - by Lillian Elizabeth Roy. (Price: \$4.00)

Publisher: Golden Sierra Printing,  
116 Mercury Drive, Grass Valley, Calif. 95945, U.S.A.

We would like to draw our readers' special attention to this book which is not only remarkable in itself but has the added interest of having been reprinted at the specific request of a highly evolved Being, one of the Spiritual Guardians of our planet, who stated that there was a deep need for people of Earth to read this book at this present critical stage of our world's history. It was also stated that this book contains a hidden key which, for those with eyes to see, will reveal the means by which the great secrets of the Atlantean Civilization - at its peak, far more advanced than our own - may be discovered. It was predicted that someone in New Zealand would be led to the clue to this mystery. The privilege of reprinting the book was given to a specially-selected man whose life of modestly-performed good works earned him this honour of service and to whom it was revealed that he is a reincarnated Templar of the Atlantean Age. The Prince of Atlantis was originally published in 1929 but never was there a more appropriate time when this book should be read or re-read than at the present, for in its vivid description of the evils which led to the spiritual downfall and final tragic Deluge of Atlantis, we may see a startling parallel to the disaster course towards which we are heading in this present day and age, and unless we abide by the warning given and explicit instructions spelled out in this book to avert a similar tragedy, we too, may face total annihilation, and this time, as we are warned in the Bible, it will be by fire, not water. So let us take heed, while we may, and profit by the drastic mistake of the Atlanteans who foolishly ignored the warnings of their spiritual advisors.

The Prince of Atlantis was written as a fictional novel, but in reality, it is an educational book into which a great deal of research and spiritual enlightenment was poured. The book concludes with a list of sources from which Atlantean data were obtained, and towards the end of the novel, the authoress makes a statement which seems to rule out that she intended it as fiction. In referring to the above-mentioned secret, she adds: "-- which some day will be unearthed again and prove this story to be true in every detail." The book is written in scholarly English, at times, almost classical, and it contains graphic descriptions in great detail of the life and times of the Atlantean Era. As the reviewer quickly discovered, it is not a book to be read hastily but rather at a leisurely pace when a strange thing happens. If read slowly, an esoteric rhythm develops which has the effect of opening the subconscious mind to the inner meaning of the words and inspirational thought forms occur.

The story takes us back 80,000 years to the critical latter days of Atlantis during which a great spiritual conflict was going on between the loyal Templars, who believed in God whom they called "ONE-IN-THE-ONE" and upon whose spiritual philosophy the Atlanteans had in the past risen to the greatest peak of civilization ever known on Earth, and the pagan Idolators who worshipped at the shrine of Bel-Ra (Mammon) who stood for violence, greed and lust. Through attunement with One-in-the-One, the Templars had discovered the vast powers of Natural Laws which they had used to build up



a democratic civilization far beyond that of our own. The devout Templars devoted a part of every day or night to meditation and the invoking of spirits from a higher dimension upon whose wisdom and instruction they conducted their lives. As the crisis develops, Quoka, an advanced spirit, speaks through Ajuna, the Chief Seer of the Templars, spelling out the writing on the wall for Atlantis and the preparations they must make to flee before the great disaster occurs, taking with them much evidence of their past civilization. Yolen, son of Ajuna, has already been appointed Chief Scribe of Atlantis and has written up a full account of the past history of its civilization, which he is to take with him for posterity to discover. In it, we learn of the wonders of Atlantis in its full height of glory when, under wise government, it developed from natural laws a super technology which had resulted in a Utopian life for the Atlanteans. Clearly spelled out is the work of its architects, engineers, scientists, artists and artisans who, using the Law of the One, had created an age of great beauty and utilitarian refinements. Here we find an invaluable blueprint upon which, if we are wise and strong enough, we can base the development of our Aquarian Age.

In the dramatic events which follow in the story, we are shown how the Atlanteans are given a last chance to save themselves but, ignoring the spiritual advice given and a series of ominous portents as Nature, rebelling against the misuse of its powers, creates warning storms, earthquakes, volcanic eruptions, etc., they weakly fall into the toils and machinations of the Pagans. As the hour of doom approaches, Quoka again speaks through his mouthpiece, Ajuna, issuing his final instructions on how they are to escape by a fleet of ships, the cargoes of which shall include copies of the historical records of Atlantis, dissembled models of some of its outstanding inventions and samples of the fabulous materials they had produced through natural elements, including Irigold, Radial, Crystalin and Kelpyn. Quoka explains that this great exodus will be divided into 4 fleets, the leaders of which shall go to the 4 different corners of the Earth to carry on the Atlantean philosophy and technology for the benefit of future humanity. The Prince of Atlantis, whose personal story figures prominently in the book, is sent to Egypt where his engineers erect the Pyramids and other massive architecture, using the natural law of levitation. In one of these structures, he deposits the ancient records of Atlantis, now awaiting discovery. We urge our readers to obtain a copy of this extraordinary book which not only contains a fascinating account of the rise and fall of Atlantis and a mystery for you to solve but also a vital message as we ourselves hover on the brink of a similar catastrophe. Write to the publisher, sending \$4.00 which includes postage and handling.

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OPERATION EARTH - by the Hon. Brinsley Le Poer Trench. (Price 30s. net)

Publisher: Neville Spearman Limited, London, England.

We are pleased to announce the publication of the 5th book to be written by the above well-known author, who has been described by England's "Daily Mirror" as "the world's acknowledged number one expert on flying saucers".

The irrefutable evidence of contacts with beings from Outer Space now makes it almost impossible not to believe in flying saucers. They have been seen by millions of people all over the world, and in recent years there have been over 2,000 documented landing reports. Intelligent people have been asking whether all this activity is leading up to some climacteric event, and the author, in this readable and controversial book, debates the facts. "Operation Earth" (SBN 85435 150 7 - Demy 8vo, 128 pp., 8 pp. plates) may be obtained by Priority Order from the publisher for 31s 6d or \$4.75



which includes postage and packing. Write Neville Spearman Ltd., 112 Whitfield Street, London, W1P 6DP, England.

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THE BOYS FROM TOPSIDE - by Wilbert B. Smith.

Publisher: Saucerian Books, Box 2228, Clarksburg, W. Va., U.S.A.

Edited by Timothy Green Beckley, with an introduction by UFO author, Dr. George Hunt Williamson, this book represents a collation of most of the writings by or about the late Wilbert B. Smith, who was Canada's pioneer UFO research scientist. Most of this material has been taken from past issues of Topside of which WBS was the founder. It deals with his scientific work in the UFO field and his discovery of the New Science and Philosophy as expounded by his space friends, whom he called "The Boys from Topside".

The book also contains a number of other articles published in Topside, a section called "Canadian Saucer Album" which features the work of Gene Duplantier, with sample pages from his interesting and well-read publication "Saucers, Space and Science" and it includes reproductions and details of 2 Canadian UFO photographs as taken by R.J. Childerhose and Homer Schaefer, respectively. For all those who may be interested in securing a well-produced documentation in one volume of the scientific work and philosophy of Wilbert B. Smith and other interesting UFO "Canadiana", we strongly recommend this book.

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HOW TO CONTACT THE SPACE PEOPLE - by Ted Owens.

Publisher: Saucerian Books, Box 2228, Clarksburg, W. Va., U.S.A.

Here is a most unusual book which makes utterly fantastic and at times, frightening reading. In it, the author describes how, after mastering over 20 professions, each calling for extreme discipline of his mental and physical powers, including judo training, auto-hypnosis, ESP work with Dr. Rhine at the Duke Parapsychology Laboratory and other mind-expanding activities, his brain eventually became conditioned to communicate back and forth with Saucer Intelligences whom he calls "SI's". Through them, he learned certain methods of bringing about, with their help, a whole range of strange phenomena, including controlled lightening, storms, hurricanes, earthquakes, blackouts, UFO appearances, etc., and in each case he predicted these events days ahead of their happening. In proof of this, the book contains photostatic copies of sworn affidavits, letters to the CIA, scientists, etc., supplying confirmation of these predictions. The author describes in detail how and why many of these events were planned and predicted and supports their actual happening with newspaper reports. Much of this reading borders on the incredible and yet, as far as the predictions are concerned, we are given proof of their accuracy. Certain human weaknesses, openly admitted by the author, creep into some passages of his writings, but I think we should be tolerant and concentrate more on the somewhat staggering implications of the book.

Chapter 10 deals with explicit instructions on how to contact the SI's. It includes the interesting statement that the SI's wish to communicate with more humans in order to bring about better conditions on Earth, but issues a warning of complete preparation and responsibility for use of this power. Perhaps the most interesting section is a tape-recorded interview between the author and a teenager, Chuck Jay who, despite his youth, puts forward some very searching questions to which Mr. Owens supplies some very interesting answers. This section provides most thought-provoking information and a greater insight into how the UFO Intelligences



think, feel and operate. Read with an open mind, I think this book is well worth obtaining and giving some serious thought. We should not dismiss even the fantastic in our search for the truth of the UFOs.

Announcing "OUTERMOST", a new publication by Gene Duplantier, Editor of "Saubers, Space & Science" which will contain outstanding and unusual articles by well-known ufologists, a worldwide directory of UFO clubs & publications & UFO-oriented magazines, an art portfolio by the Editor and other interesting features. OUTERMOST represents a fund-raising proposition to ensure the continued publication of Canada's oldest-established UFO journal, S, S & S, thru 1970-71. All those who have read this excellent journal, well illustrated with Gene's graphic artwork, will know that it is well deserving of the support now asked for its continuance. We therefore ask our readers to place early orders for OUTERMOST as they will not only be supporting a good cause but obtaining a gem-packed publication into the bargain! OUTERMOST will be available in early spring at \$1.50 per copy. Please make your cheques, postal or bank money orders payable to Gene Duplantier, 17 Shetland St., Willowdale, Ontario, Canada. Cheques should include an extra 25¢ for bank charges. OUTERMOST will be the UTMOST! So order your copy today!

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UFO ANALYSIS & RESEARCH BULLETIN is a jam-packed quarterly of scientific investigation into the most baffling mystery of our time. We constantly present original and/or important material which has placed UFOARB in the annals of UFO history. Our recently published Special Issue: A Report of over 1000 Worldwide 1968 UFO Sightings, has been praised by many noted UFOlogists as one of the most important works in this field in the past several years. Our minimum of 20, 8½ x 11", black mimeo pages contain photos, charts, maps and much more. Illustrated, concise, factual and informative issues have made UFOARB a progressive leader in the UFO field. Subscriptions for one year: \$2.00. Sample copy: 60¢. Order from (and make remittances payable to): Patrick A. Huyghe, 72 Jefferys Dr., Newport News, Va., 23601, U.S.A.

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The Editor of UFO CHRONOLOG, the new bi-monthly bulletin of worldwide UFO sightings summarized under the Data Index System, invites an exchange of UFO publications for UFO CHRONOLOG and requests that with the first exchange publication submitted, written permission be given to him to summarize sightings appearing in it and future issues, in the form of the



E.D.I.S. system and with credit given to the publication as source of the material. He also offers free exchange ads., limited to  $\frac{1}{4}$ -page and by request only. Paid advertisements accepted at 10¢ per typewritten line or fraction thereof, with margins at 10 and 90. No more than 3 pages of ads. will appear in any issue of UFO CHRONOLOG. Write to the Editor: Mr. Joseph M. Erdhardt, 43 Richland Dr., Newport News, Va., 23602, U.S.A.

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UNEXPECTED PAY-OFF FROM APOLLO MOON PROBE.

"This is exciting! This is one of the really unexpected results of the lunar mission!" These words were spoken by Dr. Walter W. Kemmerer, Chief of Preventive Medicine in the NASA Space Center's Lunar Receiving Laboratory. He was referring to a fascinating experiment being carried out by scientists at the Manned Spacecraft Center at Houston in which dishes of small plants called liverworts (usually found on rocks) had grown to about 3 inches high - giants among liverworts - on a sprinkling of moon dust. Beside them were control dishes of liverworts grown on earth soil, which were puny - not even an inch high, and pale. Puzzled scientists had been asking each other - what exotic lunar substance had speeded up the liverworts' growth by 300%? Similarly, clumps of tiny ferns grown in lunar soil had shown spectacular growth.

According to some plant specialists, this may mean that crops could be grown on the Moon some day to supply food, water and oxygen to Earth visitors which would greatly simplify the problem of establishing lunar bases. This extraordinary growth of these small plants, first noticed in late August, 1969, was one of the surprising aftermaths of the Apollo 11 Mission.

Dr. Charles Walkinshaw, senior plant pathologist, indicated that in other plant systems, pine seedlings, lettuce, tobacco, rice, wheat and sugar cane plants, the lunar material did not produce such spectacular growth. "But what I am really excited about" he said "is that many of the plants, like lettuce, did very well. To me, this means that given some fertilizer - something to add nitrogen and carbon and probably some phosphorous, elements lacking on the Moon - we could grow food plants up there!"

Dr. Walkinshaw and his group used 33 types of plants for testing, of which 31 are economically important. In total, about 4,000 plants have been exposed to the lunar material. He considers that the moon dust supplies some sort of "growth factor" which is effective in tiny amounts. The plants appear to take their nutriment from the lunar dust itself. The process may involve a direct exchange between plant and moon dust, such as an exchange of potassium for sodium or magnesium. He hopes to grow plants directly in moon soil brought back by the Apollo 12 astronauts and any future lunar missions. If the moon soil is able to support plant growth, perhaps with the help of fertilizers, then the possibility of lunar gardens at future moon bases will be opened, which would provide food, oxygen and possibly even pure water. Crops would have to be grown in a protected environment providing some atmosphere, water and proper lighting and the moon soil would have to be enriched. Dr. Robert Gilruth, the Space Center's Director, has urged research to trace the lunar substance responsible for this rapid growth. What excites botanists now is the search for the moon dust "growth factor" which, if discovered and developed for Earth use, could prove an enormous benefit to our agriculture and horticulture!