

ROUND

ROBIN



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* To All * * * * *

* Our BSR Associates -- * * * * *

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* A VERY MERRY CHRISTMAS!!! * * * * *

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* -- and a word of appreciation for your * * * * *
* continued interest and support in main- * * * * *
* taining our mutual organization, The * * * * *
* Borderland Sciences Research Associates. * * * * *

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* - Many Thanks To You All --- * * * * *

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FLYING SAUCERS OVER SOUTH AFRICA:

By Edgar Sievers: Sagittarius, publishers; 416 pages, indexed. In the German language. Price \$3.50. Order from Herman H. Mitchell, 22 North St., Huntington Station, N.Y. "The title is misleading but everything else pertaining to saucers is covered in the 416 pages in a most thorough manner. It is a summing up of the Zeitgeist of our century, with saucers treated as part of the philosophy. They are accepted & dealt with as part of the picture of the state of affairs.. This is adult fare."

The foregoing title and by-line, with two pages of translated paragraphs, appeared in Clips, Quotes, & Comments G-1 of Nov. 1st, 1956. If anything of our culture survives these haunted decades, the philosophic historian will no doubt try to integrate the fragments, and of these the visitation of the space people will not be the least, both for significance and entertainment. From this point of view Flying Saucers Uber Sud - Africa may well take rank as a pioneer work, and forerunner of a sane and critical literature yet to come. For those of us who do not read German with facility, we have induced our Assoc. HANS HERMIT to translate the following paragraphs (of his own selection) into English, along with various comments of his own. His topics might be grouped as follows:

A LOOK AT FOREIGN PERIODICALS - THE QUESTION OF VISITS FROM SPACE -- PROPULSION AND PARAPSYCHOLOGY -- THEORIES AND WORK OF VICTOR SCHAUBERGER -- A BIOGRAPHICAL NOTE ON EDGAR SIEVERS.
* * * * *

Foreign
Periodicals

One German-language magazine devoted exclusively to the study of unidentified aerial phenomena is Weltraumbote, edited by J. Heinrich Ragaz, Seestrasse 309, Zurich 2/38, Switzerland (six months for \$1.10. Issue No. 1 came out in Nov. 1955, as a six-page mimeographed publication, cautiously feeling around for interested readers. Today, with No. 12 in the mail, Weltraumbote ("Space Messenger") is an excellent 18-page printed magazine of about 3000 copies monthly, still ably edited by Herr Ragaz, who will not accept more than a six-month subscription. Let us take a quick look at No. 11 from last October and see what's news. Peculiar creatures, tall and hair-covered, roaming the glacier El Macon in northern Argentina. These appeared over a year ago, after an earthquake. Human-like but gigantic. Was it an earthquake or, as the natives maintain, the crashing of a huge cigar-shaped craft? Pictures of 'flying cigars' have appeared in the Argentinian press - and of a flat disc over Fidji Islands on August 2 - another one two weeks earlier had portholes. And a jet plane pursues a disc over a Swiss town on May 13 - there was

a vertically flying cigar over Buenos Aires on June 29 - red saucer with blue vapor trail, July 11, over Pakistan - many French reports - saucer at Katmandu, S. Nepal, August 6 - Radar and visual observation at Copenhagen, Denmark, Sept. 4; 2,000 m.p.h. at 16,000 feet - Railroad signal trouble all over Sweden, blamed on sunspots, Sept. 9 - "Le Courrier Interplanetaire" (also from Switzerland) reports that inhabitants of several planets have erected operation's bases on earth, notably in the Antarctic, and Wilbur Smith of Shirley's Bay fame has been in radio contact with them - spark and lightning-throwing UFO over Zurich on Aug. 19 - and much more.

While still in Switzerland, let's mention the "Information Paper of the UFO Work Group, Basel, Nadelberg 31 (in German, mimeo about four pages).

Now a quick jump to Holland. Here a group of people has formed to give the Dutch public the truth about "saucers" as best they can. They express themselves in a handsome mimeographed magazine called PLATIVOLO. For further information write to Mr. A.F. van Wieringen, Amsterdam, Churchill-laan 272.

Dulmen, Germany - Here, in the town of archives, is a small history from the year 1669, pretending to cover events in Germany, France and England. In it, the following: "In the year 1591 and the day of the Holy Martyr Georgy, Patron Saint of England, there appeared in the air above Norfolk three circles, each of which showed a sun in its center. The circle or sphere in the middle carried a smaller circle within itself and in its center appeared the cross of St. Andrew."

Visits To the Question Of Visits from Space - that is from Space - the sub-title of the most remarkable "saucer" book so far published - unfortunately in German. Its real title is Flying Saucer uber Sudafrika, somewhat of a misnomer; for, if you took all the "saucer" reports from South Africa that the author, Edgar Sievers, a born South African, has included in this book and put them end to end, you get some six or eight pages of printed sighting material. Hardly enough to satisfy the "fan", that peculiar critter who collects - and swaps, like stamps or match covers - "saucer" sighting reports, hoping to prove, some day, by the clippings in his file and the pins in his maps that "saucers" not only exist, but that THIS variety and THAT color come from THERE, another shape and shade from elsewhere, and a third group, bless 'em! from the Atomic Energy Commission. Therefore, Sievers' book will not appeal to the superficial minds among aerial phenomena adherents and it is not addressed to them.

The author says in the introduction that his work is not a scientific paper addressed to a few capacious crania, but that he could not do without the subject of science, hoping that average human intelligence might follow him to the last page. The biggest part of the science that had to be paraded out for us, deals with the workings of the human mind. The barrier that separates us physically from the beings in space ships is not their inability to walk and breathe on earth, but rather, our psychological inability to accept them as fact. Or, in the author's words: "Men live on other planets! With this perception something unbelievable, tremendous and unrecognizable crashes into our feeling and thinking. So it becomes unavoidable to examine how we might adjust ourselves to the new fact. By critical contemplation of prospects and possibilities in our time, we come upon the only treasure: the inner and everlasting values in man! These values have been expressed again and again, now and long ago, in all the histories of humanity, as wisdom and truth - hence, one could term them collectively 'Archaeosophy'. We realize now that the extra-terrestrial beings, therefore, partake of these truths; thus, they must be 'universal truths'. This necessary insight quickly supplies the answer to the question why 'saucer' people do not yet land on earth for ALL to see."

Propulsion and
Parapsychology -

The important question of the "saucers" propulsion method leads the author into levitation by way of a study of conventional anti-gravitic work, and into the field of para-psychology. However, he does not conclude, as you may assume from my using the term levitation so close to propulsion, that the power source for "saucers" is beyond our apprehension; nor is this power any form of atomic energy. In his own words: " - the question was propulsion. This put us face to face with the problem of elimination of gravity. We examined levitation and the trans-sensorial enigma how mind might affect the material or its energy forms. We found at first that mind-intellect, or thought, was not capable of doing so; that thought might conceivably be a starting lever or button with which something within us, possibly within our brain, becomes a field-exciter. By way of fields - characteristically: polarized action - these phenomena (i.e., levitation, etc.) may be created. The observation that mind and matter seem to have a readily interchangeable function, stimulated us and, based thereon, we used a hypothetical formula - in this case one of Professor Rhine's - as starting point for our examinations. This led us by way of the parapsychological phenomena of levitation, telekinesis and psychokinesis to a Natural Field Theory that helped us, we hope, to an acceptable presentation and temporary interpretation of

these phenomena. Then we found it conceivable that we might, one day, learn to understand more and more about such polarized functions upon matter, finally reaching a point where they might be created artificially; i.e., to produce by technological processes field-excitors and put them to useful work for us, one of their tasks, of course, to be elimination of gravity for purposes of controlled flight."

Sievers, like this writer also, feels that at this stage nothing, or very little additional, may be accomplished by mere observation and notation of "saucers" in flight and their subsequent recording in voluminous, dry and repetitious files. To gain more insight, he turns his attention to those humans who have claimed contact with space people - a much neglected field of research, but a far more lively one than pasteing press clippings into scrapbooks. About 100 pages - almost one quarter of the book! - are devoted to our fellow-men who felt compelled to tell their tales of contacts with "planetides", the author's collective term for our unimaginative "saucer pilots". I'll not broadcast the verdict Siever reaches, lest I take the fun out of your reading. But, I'll say, he raises a very good point with which the veracity of Adamski's adventure of November 20, 1952, may be amplified or rejected entirely, to give you a small sample.

Adamski tells us that during his encounter with a man from Venus on that date, USAF planes appeared on the scene. If I quote correctly, one plane made several low-altitude passes. While Adamski "spoke" with the Venusian, a number of other planes circled high overhead. Now, it is perfectly obvious that USAF pilots and observers manned those planes and were, in fact, attracted to the scene by events on the ground; provided, of course, that Adamski spoke the truth when he reported AF planes overhead on this, for him, so eventful a day. So, here we have, perhaps, another handful of witnesses. Some, very likely, operated photographic equipment. Their reports must be in the USAF files, somewhere. Thus, if one had access to these files, one might prove - or disprove - George Adamski's claims.

Over in Austria there is published a monthly magazine for spiritual light and life, now in its eighth year, called Das Geistige Reich. From this publication, numerous magazine and newspaper accounts, a booklet called Implosion Versus Explosion, by Leopold Brandstatter and Spiritual Life (a German-language monthly edited by Felix Schmidt, Box 5666, Cleveland 1, Ohio) I like to reconstruct for you what is known about Victor Schaubberger of Austria and his inventions. If anything has ever been published in this country in the English language about Schaubberger, it has not come to my attention. So, perhaps, we have here a "scoop" for ROUND ROBIN.

Schauberger realized very early, around 1900, that man progressed technologically by conquering and defeating Nature. From the start of the so-called Industrial Revolution, some 200 years ago, to this very day Man and his science has sought to outsmart, beat, destroy or otherwise work against Nature, culminating in nuclear energy. The quest for energy was, and is today more than the cause of it all. It is inconceivable in our culture to live without energy. Wars have been fought over it and if you will but look at your paper today, you must realize that oil - and who controls it - is the motivating factor behind the Egyptian "trouble". Oil in itself, of course, is not energy; it must be burned to give energy: heat. Note that all forms of modern energy are derived at by burning something - wood, coal, oil, gas and uranium (if you can speak of "burning" here). The heat so created drives all our known machinery. This system is, admittedly, not only woefully inefficient, but it destroys raw materials at an ever-increasing pace, while polluting at the same time our air, land and water at an alarming rate. The quest for raw materials, of course, leads to exploitation, profiteering, monopolies, international pressure groups and every so often - "when the time is right" - to war. Thus, the pursuit of energy, as we practice it, is materially and morally wrong.

According to Schauburger explosion or expansion, i.e., energy from heat, is wrong and against the laws of Nature; it is waste, inefficiency, pollution, destruction, sickness and death. He proposes an opposite science of energy by contraction or "implosion", as he calls it - i.e., energy by cooling, working correctly with Nature; not wasting or destroying, but building up; not pollution, but cleansing; not sickness and death, but health and eternal life. Sounds most utopian, doesn't it? Fortunately, Schauburger is NOT an utopian theorist looking for a sponsor to finance construction of a working model. He has built numerous models and proved his point conclusively. He is NOT looking for money, he has friends who help him. He is NOT out to sell his invention to the highest bidder. But he wants to give - for a small fee! - Implosion Energy to any and all nations in the world PROVIDED it is NOT USED FOR PURPOSES OF WAR!! There is the catch! The blueprint for Implosion Energy has been deposited with the United Nations. What are we waiting for? I think I know! Attention, all you people who have condemned atomic power for war or peace without benefit of a substitute energy: that energy is available right now. It is Schauburger's Implosion Energy: diamagnetism!

In concluding, let me state that in 1940 Victor Schauburger has flown successfully hat or bell-shaped craft utilizing diamagnetism; that they were made largely from copper; that they

were, in fact, anti-gravitic flying machines; that they gave off various shades of colored light - cold light! as part of their method of propulsion; that in 1940 "flying saucers" were not known to 99.9% of the population that was just being herded into another major conflict; that, if your Director so desires and the interest is there from the readers, this writer will try and elaborate about implosion and dia-magnetism in a future article.

Biographical
Note -

To the foregoing pages, our Associate Hans Hermit appends the following data concerning Edgar Sievers:

He was born in 1916 in Luderitzbucht, in the former German colony of South West Africa; he attended school there and in Germany, studied philosophy, psychology, law, economy and journalism at the University of Wurzburg. Back in So. Africa, he served in all journalistic capacities. The war interrupted for him the gathering of material for a history of the German-language South West press and demanded from Sievers such contributions as poems, stories, a novel and stage works. After the war many of his articles and contributions appeared in German-language publications throughout the world. Today he supports a family, does journalistic research, writes occasionally and, as member of the British Flying Saucer Bureau, chases after the so-called unidentified flying objects.

Readers who are especially interested in the personality and work of this scholar, are again referred to pages 3 and 4 of our "Clips, Quotes, and Comments" "G"-1 - November 1, 1956, and are reminded that the German text itself may be obtained through Associate Herman H. Mitchell, at the address given in the first para. of this article. -- Please do not order from BSR Hdqrs. --
- Price: \$3.50. ML

The Ether and its Vortices: by C.F. Krafft. Neatly bound booklet, about 65 pgs. Printed (not mimeo). Bibliography, tabulations, diagrams. Published by the author, Route 2, Box 687, Annandale, Va. Obtain from author or from BSRA. \$1.00.

Glimpses of the Unseen World: Carl Frederick Krafft. Mimeo. booklet, neatly bound, 50 pgs. Of interest to physicists and mathematicians (not an 'occult' book). The existence and nature of the ether and of the various fields of force are essential for understanding the UFO phenomena. Price \$1.00. BSR Hdqrs.

The Morley-Martin and Littlefield Experiments, now re-issued as a mimeo booklet, 26 pgs. Remarkable material. Compiled by M.L.
\$1.00.

QUESTION TO ANDOLO

Excerpts from letter, Trevor
James to Meade Layne -

. . . Since the other communication I am going to pass to you now came some time ago and will appear in the book form of Space-men, you are free to quote it if you wish. This concerns the reason for abductions of craft and people. Here again, Andalo was the contact during the absence of Ashtar. In cases where a switch of contact like this occurs I am always advised in advance that Ashtar will be away and to contact Andalo on such and such a day; and similarly he directs me when to resume contact with Ashtar. One of the most fascinating experiences occurs when the transmission is transferred from one space base to another. The beam can be felt to switch off, and then on again as the new entity appears. On one occasion Ashtar has brought his wife to this 'thought microphone' the adiphon and had her communicate with me. However, all this is embellishment: -

Question: We have been puzzled by the abductions of whole air - planes and crews. There are some things we would like to know: First, do you ever, for any reason, take human beings off this earth and abduct them, so to speak? Secondly, why are these planes taken??

Andolo: First, our laws forbid us to interfere in any way with the life plan of any entity. We cannot bring about a physical death wittingly under any circumstances. Everything must proceed in its universal plan, which we are bound to carry out. However, the dark ones do not live by our laws, but prey upon mankind freely, seeking vehicles for themselves by any method they know. They do not hesitate to bring about the "death" of an entity if it serves their purpose. We have nothing to gain or learn by taking your machines; such actions are meaningless to us. Not so the dark ones, however. They have several reasons for the 'abduction' of planes and crews. First, they may desire the actual physical material of which the machine is constructed, for purposes of their own which don't concern you at the moment. Secondly, they may desire the entities in the planes for purposes of their own, regarding which I shall presently tell you nothing. Thirdly, they may desire both these first two things in combination. The advancement in flight of earthmen is moving steadily toward the 3500 mph which is the limit of their present attainment. They are interested in seeing what you are doing and how you are doing it. This increasing mastery of the science of flight, soon to make extra large forward steps, is concerning them greatly. All this is a little beyond your present understanding but eventually you will piece it all together and know the whole truth.

'(With what you know and have on hand this may fit into the mosaic quite well, and I am inclined to accept the explanation of seeking the actual physical material as being a valid one. After all, could they not convert such matter to their own use by raising its vibratory rate by some process which we don't understand?)

'In conclusion let me state that I believe, altho I don't know, that the boys from downstairs utilize water for the propulsion of their craft. How they do it, I'm not sure, but I am on to the basic reason. The blue and white and bluish-white lights are the results of burning water broken down into the hydrogen and oxygen of which it is constituted. In the form of steam I believe they utilize the lifting power of the levity field which is the polaric opposite of the gravity field. It is a method we ourselves could use within a few months to reach vast altitudes if only we could retrace our steps to realizing that simplicity is the keynote of efficiency in propulsion as in everything else. But then, have we not too many millions tied up in that stinking, clanking monstrosity, the gasoline engine. Recall that in all the thousands of sighting reports only one really intelligent action has been performed by the occupants of the 'saucers' witnessed by ordinary physical people; viz., they have been seen stealing water (Steep Rock Lake, Ontario). And these were not Etherics, but 'little green men...' (This is merely my present personal conjecture...). " TJ.

(Note: The 'little men' seen at Brush Creek were also dipping up water and I believe other instances have been reported.)

M.L.

SPACEMEN - FRIENDS AND FOES: A brochure in two parts, 36 pgs in all, by T. James; issued by New Age Pub. Co., 1542 Glendale Blvd. Los Angeles 26, Calif. Or order from BSR Hdqrs. \$2.00 for both parts (total price). (Not all pleasant reading but approved by the Control Yada di Shi'ite).

Memoranda from the Probert seances: These are stenographic records, booklet form, 25-30 pgs each, packed full of interesting material. We can supply 9 or 10 different issues, @ \$1.25.

Spiritism and the Beginnings of Christianity: J.E. Morrell. 87 pgs., pocket size. Written in 1930. An admirable summary. \$1.00
Speculative Suggestions, (3 items sold as one). F.R. Bartholomew, 2501 Irving Ave., So. Minneapolis, Minn. \$1.00 (or BSR Hdqrs)
A Unitary Field Theory: (Based on the ether-vortex concept). By Assoc. Lindy Millard. a 15-pg mimeo brochure. Important to physicists and mathematicians. Issue of 100 copies only. \$1.00 ea. BSR Hdqrs.

TWO MORE SPANGLES FOR GRAVITY'S CLOAK

by
Gaston Burrige, BSRA

The Force of Gravitation is one of the most mysterious natural phenomena with which man has to contend - and he must contend with it all his life. Whether he is freed from gravitation at "death" is a question we will not attempt to answer here - but it is an exciting one to ponder. How long before birth t h e Force of Gravity affects an individual we cannot say, but certainly gravitation is one of the energies plaguing - and helping - mankind during his entire physical earthly stay.

Orthodox science has done little so far to aid us in overcoming this harassment - when we wish to overcome it - or to help us to understand it. Gravitation appears to cast its influence even over the very "hearts" of atoms - their nuclei. It is possible, as we come to understand these nuclei better, they will seem to resemble the "souls" of the atoms more than their hearts!

Many have written in ROUND ROBIN concerning different phases of gravitation. Each of these articles has been enlightening. Each has added the sparkle of another facet to an already dazzling stone. We would like to annex two more sparkles.

The first has to do with science's newest high-powered, high-speed entity, the neutrino. The neutrino is considered a "solid" particle somewhere between 20 and 800 times smaller than an electron. An electron is already so small some millions of them could rest on a pin-head and not cover it too deeply! So, the neutrino is rather tiny, but it may turn out to be the most important thing in the Universe!

Small though it may be, it is powerful and of great stamina. Science has now cornered this elf and taken its picture - or rather, a picture of where it passed!

The neutrino zips through centers of intense heat, like a sun's diameter or an H-bomb explosion, and remains unaffected. This is not the case with any other known atomic particle. It is estimated a solid wall of lead reaching from the earth to the center of the Milky Way, would not stop the neutrino! To stop one, a shield of lead 200 million, million miles thick would be necessary.

One of the reasons this midget particle is so powerful is that it carries no electrical charge - either positive or negative - therefore it is not attracted to, or shunted from, unlike or like charges of electricity existing in the atoms it passes through. With all this on its credit side, the neutrino acts a good bit like the Force of Gravitation in many respects. In addition, science appears to see indications that there is another "something" here too. For lack of a better name they have tentatively called it the "antineutrino".

Conjecture has it that probably when the neutrino and an antineutrino meet, the result is a tremendous explosion - tremendous in proportion to the size of these two, of course. They annihilate each other! If they were the size of a golf ball and met, they would make an H-bomb explosion look silly. The results of this meeting and explosion may generate "gravitational waves"!

The neutrino - like Spring - "is busting out all over" - all the time. As Nature appears to abhor anything - however small - existing by itself, and at the same time "ruling the roost", it does not seem out of line to suspect the existence of the antineutrino in quantities. This would keep the neutrino in its place. At the same time it might prevent all matter and energy from eventually being sacrificed to this "avid little scoundrel"!

It does not seem too fantastic to assume the neutrino plays the same role in respect to the field of gravitation as the electron plays to electromagnetic fields.

"Electrinos", the outer shell of atoms, are known to emit electromagnetic waves. For the neutrino to emit a "gravity wave" on collision with the antineutrino - if such exists - does not appear beyond reason.

If there are no particles, or "somethings" like anti-neutrinos - though clues of them appear to exist - then we can only conclude all energy and matter eventually will be fully consumed to produce neutrinos for they are made every second in unimaginable numbers! This seems a rather ignominious fate for everything!

Neutrinos are believed to always move in straight lines, passing through planets, regardless of their size, as swiftly and as easily as through space - unless, of course, they encounter antineutrinos. As of present knowledge we can assume the neutrino's flight is not curved toward large massive bodies of matter in space as light rays are believed to be, hence it would seem to follow that the neutrino is not affected by the Force of Gravitation!

Most neutrinos which the earth receives are thought to stream from our sun. They come with at least the speed of light, perhaps faster. All glowing stars are indicated as neutrino.- producers. Science believes "the little ones" come to us from our sun's center as a result of the same nuclear reaction which makes a sun shine. Between six and eight per cent of the total energy released by a highly glowing star is in this transcendent form. Even at night, though our sun is hidden from our view, the neutrino-stream does not slacken because they rocket through the earth as if it were not there. As far as has been determined, the neutrino simply does not know what solid (?) matter is!

Thus does gravitation's irradiance grow. Perhaps the kaleidoscopic lights of this strange entity will form a ghost who will, in turn, harden into a theory which can ultimately be applied.

A second sparkle on the stone of gravitational force comes from Mr. Hugh A. Brown, 40 years an electrical engineer. He lives in Douglaston, New York. Mr. Brown will be remembered by ROUND ROBIN readers for his long research into the growing ice cap in the Antarctic, and his resulting theory that unless stopped this ice cap might swing the earth to a new axis amid a deluge which would wipe out civilization! (ROUND ROBIN xi-3; Sept.-Oct., 1956 -- "Will The Earth Do A Flip?")

Mr. Brown's ideas of gravitational force are different than those above. But if we are to come to any "right" conclusion on anything we must first consider all material obtainable. It is often very easy to reach an opinion if we ignore but one fact - very difficult, if all facts are weighed!

Mr. Brown's treatise, from which we will excerpt, was delivered to the Gravity Day Conference, August 18, 1956. The Conference was sponsored by the Gravity Research Foundation, New Boston, New Hampshire. This Foundation was established by Mr. Roger W. Babson, noted economist, and is perpetuated by him. The Foundation is interested in collecting and filing for reference, all data on gravitational force. Those delving into this subject may consult its collection of material at the Foundation's headquarters free of charge. Also, the Foundation sponsors an essay contest nearly every year. Any phase of gravity research or thought may be treated with not more than 1500 words. The first three prizes are very substantial. Copies of winning essays for past years may be obtained from the Foundation at small cost. It is believed this institution is the only one of its kind in the world, which makes it the more important.

Mr. Brown's thesis reads in part: "Gravity is not an attraction of materials for materials. Newton's First Law of Motion would be untrue if the force of gravity were an innate attraction between materials. That Law states: 'A body at rest or motion will continue in a state of rest or motion unless acted upon by some outside force.'

"The erroneous 'Attraction of Gravity' theory assumes an innate force of attraction residing in all materials. The facts of nature disprove the theory of attraction.

"If the force of gravity were an attraction between masses, then all of the heavenly bodies would crash together in one grand collision. This is one of the many facts of nature which disproves the theory of attraction of masses.

"For an understanding of gravity as being electric repulsion, imagine we have a laboratory with still, dry air, and in it we have suspended from the ceiling, by silk threads, within a five-foot circle, seven pith balls, varying in diameter from one to four inches, and they are all the same height from the floor. Now, imagine we rub a cat's fur on glass to produce separation of positive and negative electricity, and we touch each pith ball with the electrified cat's fur. The pith balls will no longer be suspended in a vertical plumb line, but each thread will assume an angle to the others, and the pith balls move away from each other by electrical repulsion, because all are charged on their surfaces with the same kind of electricity.

"Again imagine that pith ball number eight, which we will call earth, is similarly rubbed with the electrified cat's fur and then lowered slowly, on a silk thread, into the center of the other seven spheres. We will notice all the other pith balls will move away to make room for the new one. Each will move a distance depending on the intensity of its electrification. They will never touch one another unless external force is applied.

"Now imagine three or four gamma ray producing machines are lined up, at random, surrounding the pith balls, on the same level, and gamma rays are shot at the pith balls. The relative force of gamma rays has been demonstrated by Dr. R.A. Milliken. He found they are stopped by water and lead in a ratio of one to eleven, which is the same ratio as their weights. Weights are caused by incoming photons, quanta, and cosmic rays, which have an analogy to gamma rays.

"When the pith balls are struck by the gamma rays the impact will be uneven or irregular and some of the pith balls will start to rotate, and may be caused to move; but will always

keep the other spheres, charges with like electricity, at arm's length. Now if we imagine the eight pith balls represent the planets of our solar system, we get an idea of why the planets stay apart and why they rotate. All celestial spheres are assumed to be charged with the same kind of electricity, just like our pith balls.

"The relative position of the planets in space is established by static electrical repulsion, as demonstrated by the pith ball experiment. The rotation of the planets is caused by dynamic electrical repulsion, created by the impact of quanta, photons, cosmic rays and meteoric dust, which are known to continually assault the earth in tremendous volumes.

"With this clear understanding of the electrical forces which hold the earth in its position in celestial space and the electrical forces which cause the earth's rotation, a new approach to understanding what the force of gravity really consists of, becomes an open book to scientists endeavoring to harness the force of gravity for economic uses."

The power of an H-bomb is dispersed in a few moments - and most of that which its energy threw into the atmosphere comes back again to earth by the Force of Gravitation!

Gravitation - whatever it may be - is a powerful agent constantly plying its trade. If we can learn to "screen" it we have more potency at our fingertips than our wildest dreams can conjure.

The Force of Gravitation leaves no lethal radiations as does atomic energy. It has no fatal "waste materials" we must dispose of -- where?? Perhaps we have bet on the wrong horse - power!

- e n d -

Concerning orders for The Coming of the Guardians: There has been a long series of delays and postponements of the mimeo. reprint of this book, but we feel confident that copies can be mailed by the end of December (1956 !!). \$3.00

The annual jam of holiday mail is as bad (or worse than usual. Even if we get all of this Round Robin XII-4 into the post-office by December 15, it may be 2 - 3 weeks late in reaching you. And Clips and Quotes G-2, mailed Dec. 1, is also certain to be delayed for the same reason. If not received early in January, please notify us, but do not blame BSR Hdqrs.

THE 'B' CELL(Meta.Digest. v end of
article)

Of special interest to all borderline science investigators is a report received from John C. Brown of Mass., U.S.A. We have also received a sample of the 'B' Cell, although it has not yet been tested by us. More information from Mr. Brown is awaited.

Mr. Brown claims that he has discovered the 'immortal cell' and he says, "My success in isolating the 'living cell', is an attainment which promises to surpass those born of nuclear physics for the benefit of mankind." He claims that:

(a) The 'B' Cell is a key to the cure and eventual eradication of mankind's deadliest diseases;

(b) Once developed and regulated for widespread use or application, it will rejuvenate the weary bodies and minds of our aged people;

(c) We can eliminate hunger from the face of the earth with a new kind of cheaper, more abundant, more nutritive foods - nucleo-protein foods which are now growing for all to see in my laboratory test plots;

(d) The introduction of the Immortal Cell to the water-reservoirs and farms on our land will signal the end of pollution and destructive, disease-carrying parasites."

As with most borderline researchers in the U.S.A., whether genuine or self-deluded or deliberately false (and of the latter there are far too many!), Mr. Brown has not been able to get any proper governmental investigation; in fact, he has been declared fraudulent by the authorities without any signs of investigation! He says, "Why are certain groups turning a deaf ear... is it because the 'B-Cell's acceptance would cause an overthrow of many existing practices? I have been served with a Federal order that in substance asks me to shut up, though no Government scientists have yet set foot in my laboratory."

Now, it is quite possible that Mr. Brown is fraudulent but it is also possible that he is not. If he has what he claims to have, then it is imperative that a reasonable investigation occurs. If this opportunity is not given, then the authorities are failing in their public duty and in fact, should not possess such authority for such a failure constitutes a misuse.

Mr. Brown is a registered pharmacist by trade and a natural scientist by self-application. After years of watching pain-filled people he resolved to try to seek some biological solution. He asked: "Could the answer to science's failure lie in

its invariable search for artificial solutions, its reliance on research with the inanimate (dead) instead of the animate (alive)?

During his spare time he is working in his home-laboratory and eventually perfected a semi-colloidal fog dispersion - a proto-plasmic solution. Thereupon he sold his business and commenced seed tests. He then prepared cultures from semi-carbonized vegetation from the extraordinarily fine plants and upon viewing a smear of the culture through the microscope saw living nuclei. With care the cells transmuted themselves into motile ones, dividing and feeding, reproducing two or three times each 24 hours. Notwithstanding apparent success with unicellular reproduction he realized that the real goal lies in a multicellular discovery. Then followed a period of four years of dismal failure during which a myriad experiments were tried, a hundred research avenues explored - until in December, 1950, the 'B'-Cell first appeared.

The newly isolated Cell has unmistakably reached a higher state of life. It was crystalline in appearance and each cell of a culture was developing an 'umbilical cord' in one to three days. Through that cord each emitted nuclei colonies of "mother" cells. These reproduced "daughters" who became mothers, and so forth. In brief, the cells now possessed the mechanism of heredity, passing through easily seen chromosome and gene phases.

Mr. Brown tells us that any professional person with a basic knowledge of genetics would recognize the distinct phases under the microscope. But he would be startled by the phagous development in the evolutionary process. In expanding and contracting (vid. peristaltis in metaphysics) the cell organism assumes the shape of a cucumber seed - the phagous - and then reverts to its original form.

Brown asked himself how he might apply these strange creatures and returned to the test-garden plots once again. From a single kernel of corn he obtained seven complete uniform stalks bearing from 15 to 21 ears! They were entirely free of pests. Tomato plants were heavy with rich fruits and one plant produced over three hundred tomatoes! The tomatoes tasted sweet and not sour. This meant that unlike the average growing (green-ripe) tomato, the nucleo-protein fruit had attained alkaline maturity before colour maturity. Technically: the -7pH (hydrogen ion concentration) was more quickly raised to pH-7 or excess, which in natural foods means edible pleasantness. Clover grew to 69" high; timothy hay to 6 feet and more; beans clustered 250 to a plant, as compared with the average 90 . . .

It was then asked: "What is it that immunizes the treated plant to pests?" After a year of further study the following

phenomena were observed:

1. Flashes of bluish-white light (photons?) visible in natural sunlight occurred within the walls of the jewel-like organisms. Was this natural 'atomic energy' at work?

2. The cell disclosed a complete band spectrum travelling from the ultra-violet (main energy source) and passing through all the colours into the deep reds. The cell was emitting all the normal and observable colours or wavebands of light!

3. In its evolutionary process the cell was turning a beam of polarized light to the left and the right until it emerged in a state of equilibrium (i.e., dextro and laevo rotatory configuration.)

Mr. Brown suggests that these facts may explain the cell's power to destroy parasites as well as to promote growth. He has now prepared a matrix for the cells, so that they can easily be sold as a useable preparation. The matrix comprises a small block of porous cement impregnated with the culture. He claims that such a matrix can energize a gallon of water which can then be used on crops, and also that providing the gallon can is 'topped up' as used, and the matrix left in it, the fresh water will, in its turn, become energized.

People who have eaten crops treated by the cells and who have drunk water impregnated with the culture (usually by accident) have reported a strange increase in physical and mental health. Mr. Brown says he has many testimonials to this effect. He says that he has never seen the wall fibres of the immortal cell become ruptured and, therefore, if disease is rupture of cells in the human organisms and treatment with the immortal cell can stop such, it may be a valuable medicant. In fact, it is suggested by him that rejuvenation may well be possible in the aged and many other benefits accrue.

(The foregoing article appeared in "Metaphysical Digest" -- Vol. 3 - No. 4 -- Hdqrs.: Archer's Court, Hastings, England. --(pg. 95 ff.)-- The "Metaphysical Digest" does not commit itself to any final opinion as to Mr. Brown's work, but is glad to give him an opportunity to prove his case. M.L.)

(Those interested should write to Mr. John C. Brown, "B"-Cell Labs., 96 Miller St., Middleboro, Mass. (not to BSR Hdqrs.)

We again call attention to the remarkably fine FLYING SAUCERS CHART, compiled by Assoc. Fred B. Keziah, 916 So. 21st St., Arlington, Va. A 'mine of information'. Recommended. \$1.00.

ON WHAT CAUSES GRAVITATION

by
Victor M. Waage

In gravitation, the "force" is not an obsolete concept which has been supplanted by something else now in vogue, nor is it a mere illusion that can be explained away by means of Riemann - Minkowski hyper-geometry of space-time, but this force is a physical actuality. Hence, since it is a force, it must be either a "pull" or a "push".

Examination at a sub-atomic level of observation should reveal that the phenomenon of a "pull" is actually the result of disproportions among opposing forces of "push", in which case the tensile strength of the coupling medium usually has not failed. Now "tensile" strength is ultimately caused by etheric pressures which hold a material body together. Should the internal pressure happen to become equal to the external pressure, then the atomic structure of a material object would be free to drift apart -- in much the same way that, under the influence of some anti-gravity field exactly balanced with the usual gravitational field, a child's sand-castle would drift apart as soon as all of it has become dry. Hence, all forces are "pushing" forces.

We reluctantly retain the name "ether" for lack of another name, but we must consistently think and speak of it as the name of a class or set of ethers, only a few of which different ethers have been imagined, suggested, or officially discussed. The valid member of this set has certainly not been looked at officially, but only a few physicists have shown any interest in the possibility that the incomplete ones could be rendered more workable. Hence, by "ether" we do not mean any heretofore mentioned in books and magazines, but we mean only one of the set-members which happen to be workable more or less, making sure that the one we have chosen is the most workable one of all. If experimental evidence should require a change in our ether concept, then we must make the necessary change, instead of abandoning the concept-set summarily as did too many of the Toasts of Provosts. We may, however, live to see the day when the workable ether concepts will occupy a respectable place in journals of engineering. To hasten the advent of that day, is my aim in life.

Pressure is in the nature of a quotient, wherein the dividend is a force and the divisor is a unit quantity of area. To obtain the force which is mentioned in this definition, we simply multiply the pressure by the unit area.

Above, I mentioned the etheric pressures which hold a material body together. Of course, since the ether is not constituted of molecules or compounds of atomic oscillators such as form the structural and energetic basis for material gases, we must conceive of the pressure of the ether from a more adequate standpoint. It is sufficient for the purpose of this article to define the etheric pressure in the same way that the pressure of a material gas is defined, with the stipulation that the pellet-like entities which must account for the microcosmic bombardments, cannot be atomic oscillators that move through an imponderable ether, but are instead in the nature of globular eddies (particles of rotation) moving without friction through an impalpable field of irrotational motion. The rebound elasticity of the globular eddies is a phenomenological result of the gyrodynamic persistence in the circular form of their rotational motion, and this continuity of motion can also give rise to the effect called "inertial mass". The mass-density of the ether is defined as the quantity of inertial mass divided by a cubic unit of spatial volume.

Near the middle of page 13 of the brochure "A Unitary Field Theory on the Basis of the Ether-Vortex Concept", one reads:

"With the aid of elaborate hydromechanical experiments Hilgenberg established a one-to-one correspondence between Newtonian gravitational effects and similar effects of hydrodynamic sink-fields. By logical projection, he concluded that the force of gravitation is due to a Bernoulli pressure-drop near a stagnation point somewhere in space between two celestial bodies."

In an article by the same writer, namely "Value for Etheric Pressure on the Proton", Round Robin XI: 5 (Jan.-Feb., 1956), page 20, there is mention of "the ether of the gravitational influx field". This last quotation needs some analysis and editing to "service" its conceptual sense, and the latter part of this article will overcome the ambiguity of the same.

Gravitational force is undoubtedly associated in some manner with etheric pressure. A force may be obtained by multiplying the pressure by the area of some surface. This force, at a given point, will naturally be directed perpendicularly to a plane surface which is imaginable as touching the (curved) surface at only the given point. The force of gravitation is not

easy to compute from these position-dependent quantities, however.

If the ether has what is called pressure, then the exerted force could not be the result of impacts from molecules -- (the ether is not composed of molecules) -- but instead, that force must be caused by impacts between innumerable colliding eddies, as under H. Fricke's theory of an energy-conserving etheric turbulence which is ubiquitous and eternal.

The above quotation from the Lindy Millard brochure seems to confront the reader with the claim that Newton's formulae are in agreement with the behavior of fields of converging flow, of fluid "sinks". Does such a concept always imply that the fluid is indefinitely compressible? If such a condition could not be avoided, then one must look for an entirely different causal concept.

There could be two hypotheses under which force depends on etheric pressure. If by "pressure" one choose to mean the pressure caused by wave-like radiations, then the "area" in such a case would have to be at least a portion of the surface of a celestial body. But if the pressure is instead the result of an ether which behaves as though it were a gas (at least in part), then the area would not necessarily be on any celestial body itself, but rather on the "surface" of a sheet-like stream of ether existing in interplanetary space, an invisible and intangible stream millions of miles in size, to be sure, but none the less potent as contributing to the causes behind gravitational forces. This involves a net value of pressures, which may be called the Bernoulli pressure drop; the force which it exerts on the stream surface is everywhere perpendicular to this surface. More will be said about this later.

The Newtonian "inverse square" law, taken alone, fails to decide for us whether gravitation is due to a radiation-pressure on each celestial body, or is due to a Bernoulli pressure-drop through stream layers in an interplanetary region. The inverse square law can be derived mathematically from both of these explanations. Perhaps both kinds of activity are taking place simultaneously and contribute to gravitation, just as two addend terms contribute to a sum in arithmetic.

However, before we can consider the fluid-sink concept, we must settle the question whether or not such a concept necessarily entails a limitless compressibility of the fluid. This fantastic property can be avoided by assuming that in a fluid sink, the fluid is not limited to a one-way radial flow, but that the fluid can leave the center of a celestial body in some impalpable

state at the same time that a gravity-causing influx is continuing. Obviously, under the ancient Greek principle that neither "annihilation" nor "creation from nothing" could take place, we must assume that the volumetric quantity per unit time which leaves the celestial body (impalpably) must equal that which sinks convergingly into it. Just how the output can be impalpable while the input causes gravitation, will be explained later.

Etheric pressure is ubiquitous, so that the only etheric pressure which could account for a force, upon being multiplied by an area, would have to be put in the nature of a difference between two values of the etheric pressure. One of these two values must be that of the maximum pressure, which persists in isotropic space where there are no celestial bodies nor any meteoric particles within trillions of miles. At such a place, the etheric turbulence, which is nearly homogeneous for a region that is one septillionth of a cubic centimeter in volume, is in statistical equilibrium along every direction through it. The other value of pressure is always less than the maximum, and just how much is determined by the square of the flow-velocity of any transported ether where streaming or swirling is taking place. The lesser pressure minus the maximum pressure gives a difference which is here called a "Bernoulli pressure drop". This is equal to minus one-half the ether's mass-density times the square of the velocity of transport of the streaming ether.

The gravitational field is really a vector-field of force, that is, of a force which is the result of a useful component of each force that is in turn given by the multiplication of the Bernoulli pressure drop by some surface area. By means of integral calculus, one could sum up a "googolplex number of infinitesimal terms", every one of which terms is the product of an infinitesimal area at a unique location, by the Bernoulli pressure drop at that location. Such a summation is likely to be rendered exceedingly difficult by the condition that, in terms of location coordinates, the squared flow-velocity will have to be an algebraic expression in such a form as none of the theorems of integral calculus which have been discovered to date could cover. In such a case, the preparation for calculation of the gravitational force could proceed so far, but no further.

The next best thing, if one cannot calculate the force from continuous mathematical functions, would be to obtain an approximate answer from a polyhedral surface of plane facets, using the same kind of summation terms as before, but with comparatively large facet areas. The fewer and larger the facets, the less accurate the calculated answer.

Let us be content now with an examination of the basis for the mathematical expression of the squared-flow-velocity in terms of the flow-pattern which is characteristic of the interfusion of two fields of flow, one field for each of the two celestial bodies. Each of such fields is probably the result of the sum total of the individual fields of ether flow ultimately caused by the core of every proton in the atoms of matter, whether the proton be a segmental portion of a neutron or not.

The only theory which has ever suggested a definite structure for a proton's core is C.F. Krafft's conceptual contribution to the ether-vortex school of physics. Experimental evidence qualitatively establishes Krafft's theory of atom structure as the correct one, but a quantitative proof awaits future progress in hydrodynamic mathematics itself. The atoms are systems of vortex-motion, which for the following reasons may be thought of as "energy sponges"; Their flow-circuits attain an equilibrium size which depends in part upon the mass-density of the ether, but if the atom-cores be "emaciated", that is, too deficient in circulated bulk, then they will immediately soak themselves avidly with whatever environmental ether-currents happen to match them in speed, until their equilibrium flow-capacities have been attained. It is important for an understanding of radioactivity and of atom-core fission, that these flow-circuits exert forces of thrust upon one another, by virtue of their "abhorrence" of very cramped quarters, but such forces of thrust have very little in common with the pressure-drop thrust which is present in gravitation. The gravitational ether-currents are not caused by the energy-sponge effect, but by a different effect which will now be expounded.

The ether-streams that are poured forth from an atom-core do not flow in all directions, but tend to confine themselves to the directions in which they flowed at the outset of their departure from the proton-cores. A polar orifice in the core of a proton (i.e., in a vortex-ring doublet which constitutes that core) sends forth a slender stream or squirt at a very high velocity, probably the velocity of propagation of light. As this squirt stabs through the electric exchange-fields of nucleons in the cores of other atoms without deflecting their ether-currents appreciably, this squirt is impalpable and therefore cannot be detected experimentally, but that which is knowable about its existence must be deduced logically from a standpoint of mathematical necessity: what flows in must flow out very soon after. - These effects leave all the remaining directions available to the ether-currents which must enter the cores from the outside. The influx field, which furnishes ether from all directions of space to replenish the atom cores, is the physical basis for the existence of a gravitational field.

It must be emphasized that the gravitational field and the proton's field of ether influx are not identical. The latter is an indirect result of continuity of eternal motion of the ether itself, but to assume that it is a result of the former (gravitation) would be to ruin the entire ether-vortex economy, invoking thereby an endless regress of redundant complications. The gravitational field is an indirect result of the proton's ether-influx field, but never vice versa. How the etheric influx field can indirectly cause a gravitational field is easily explained by stating that the flow-velocity in the composite flow-pattern is in such directions (at most locations) that the resulting Bernoulli force (perpendicular to the stream-surface) has its direction oblique to the line which terminates on the centers of both celestial bodies, and that as a result of this obliquity the Bernoulli force has a useful component which contributes to the gravitational force, as well as a useless component which, by being perpendicular to the line of centers, contributes nothing to the gravitational force. At a given point in the flow-pattern field, the useful component of the Bernoulli force is uniquely determined as to its magnitude, because the position of that point also determines the direction and magnitude of the flow-velocity. The root of the mathematical difficulty can be traced to the peculiar fashion in which the theorem of Pythagoras enters the integration problem, most parts of which happen to be rather involved trigonometric functions.

Now we will consider one of the most significant of the stream-surfaces of the flow, where the Bernoulli principle contributes its best effect. The stream-surface which meets a "stagnation point" in the flow-pattern can be described not as a trumpet or paracurve cone, but as the mathematical compromise between a cone and the surface of a hemisphere, namely a hyperboloid sheet. The medial family of the curved stream-surfaces which includes the hyperboloid is the group of stream-surfaces which are the most effective in accentuating the useful component of the Bernoulli force towards creation of a gravitational force.

It is impossible to include in this ether-sink theory of gravitation the concept of "action at a distance", which a few have falsely ascribed to Newton and thus charged him with having assumed that no physical event took place in the space between the two celestial bodies, but only that simultaneous action at the two bodies was going on, by fiat presumably. In accordance with the Hilgenbergian ether-sink theory, one must amend the phrase to read: "action throughout a distance". The physical center of each body being inseparable from the center of the ether-sink velocity field, it appears that the "action" is in the nature of a q u a s i -

aerodynamic shrinkage of the field as a result of the Bernoulli pressure-drop effect. The "propagation" of this field-shrinkage effect is probably instantaneous, which is much faster than the speed of light. The shrinkage itself is not an actual motion, but rather a tendency similar to potential energy as in the case of a coil-spring which is kept statically in a stretched state by means of a stock of wood and some long nails. Superficially, the shrinkage-tendency in the flow-pattern appears to cause a "pulling" force, but as I have explained earlier, only "pushing" forces are actually in existence in this field of Bernoulli forces. If all orbital centrifugal forces were removed, however, then the flow-pattern shrinkage effect would immediately result in a contractile motion, called "falling". This is gravitation.

Although we cannot yet calculate the gravitational results of the Bernoulli forces in the Hilgenberg field, we can feel certain of the qualitative nature of gravitation, because the foregoing explanation is based on the only intelligible and intellectually satisfactory field-model which the valid Krafft-atom model can logically lead to.

-end-

COSMIC RAYS - by N. Nicolaides:

We know from fallen meteorites that the stars consist of various metals, yet astronomers claim that they are gaseous bodies and consist of only one element - Helium or Hydrogen stars, etc.

As for the few with identical mixed spectra, they also admit the impossible, i.e., the red line at the bottom of these spectra is caused by vapors of carbon confined forever in a separate spot (space) by themselves; the orange line next by vapors of calcium in another uniform spot, and so on identical in every way, seven in number, all the same size and shape (lines), always in the same order from north to south (polarity of light!) Why? Such an identical arrangement of elusive elements in all these stars is utterly impossible, because out in the open the vapors of metals and gases do not remain in spots, but intermingle, especially if disturbed (sunspots). Even if they did, it is obvious that the number, size, shape, color, and location of the spots would vary in each and every star.

The only possible way that two or more stars can have identical colors is by identical influences from the outside. Not only sunlight, starlight, and the motions of the stars, but even atoms originate from the Cosmic Rays. If you doubt this, ask the astronomer, or try to reproduce identical mixed spectra.

(The foregoing is a clip from the press. BSR has lately issued a 10-page brochure entitled the RAINBOW, by N. Nicolaides of San Diego, Calif. Price \$1.00)

