

PANORAMA



UNIDENTIFIED FLYING OBJECTS PHENOMENA INVESTIGATION. AUSTRALIA.



PANORAMA

PRICE
"25cents

VOLUME 10 No. 2

1971.

THE MAGAZINE WITH THE WIDE OPEN MIND FOR UFO GROUPS AND STUDENTS OF U.F.O.

.....
E D I T O R I A L .
.....

" THE COURAGE OF ONES CONVICTIONS "

A month or so ago I was asked to speak to a alrge group of teen age folk. all of whom I percieved on arrival were the very modern hippie type at least in appearance, which after all one must never judge by in dealing with human beings.

Frankly they were very attentive, and responded quickly to the varicus little humerous anecdotes. to lighten the talk . The questions which followed were of a very high standard and unexpectedly unusual covering a very wide scope of the subject . , obviously these young fokk had been thinking deep and apparently they do so in most things.

The whole affair was apparent that it left the Editor in no doubt as to their sincerity. They were opneply and brutally frank. there was no sham or prentecne about what they did or wanted to know. their attitudes to convention were as is understood around the world , completely at war , teir views on the establish ment as we call it would horrify. most. and their attitudes to morals and ethis of the Church . would be classed as ungodlike. yet underneath it all there was this factor of a sense of freedom. which amid all the seeming contradictions to our general way of life. seemed to su ggest that these young folk in their cour- age of their convictions had found something which we had missed along the path hard todofine . yet it was there. a freedom from all the sham and pretence. from all the hypocrisy of our way of life. They had dug deep into the teachings of the Church and found it terribly wanting . and casting away or the glitter and the pomp and the many rites which had been plastered on to it. found some of the pristine truths and were striving to find God in a way some of us would never had thh courgae to even dare to try. Their idea of God would be hard to understand by any who had not followed along their ath .

So much for these. at least they had proved that whether their conviction were right or wrong , at least they had the courage to stand against formidable odds and declare them so . and more are following their way of thinking than we imagine.

Afew nights later. I addressed a well known group of business people. who work as an organisation for the benefit of mankind. The subject was the same. They Started off with a magnificent dinner. and laced with various liquors. after sat down to listen to me. The objects of this group is to bring fellowship among themselves of a brotherly hature and to assist in general. mankind. Among them were very educated men . all were business men . yet none of them really took the subject honestly seriously. despite a form of poilte vote of thanks etc etc. they all potted one another very much on the back . a great deal of friendly humor went on. and they all appeared to be very closely tied by tthe

EDITORIAL (2)

bonds of the group to which they belonged to work in service for others. Yet looking around as I did. I knew one or two of them , more personally than others, and I mused at the hypocrisy of it. for knowing tomorrow they would be out there fighting tooth and nail to beat one another on the commercial or economic market. One man I knew was sporting around with another mans wife. Another I knew a few years back to be a homosexual and to my knowledge still was. This was only a few , what of others I had no knowledge of. All the pretence and sham and hypocrisy . and I thought of the young hippes they condemn the cries of horror and condemnation against them by the so called establishment and wondered who of the two are really the most genuine.

Very interesting as the T.V. comic says. but what the heck has all this to do with UFOs. simply this. Lets apply this same test to our attitudes toward the UFO subject and the whole gamut of what it means. Just how genuine a believer are you. ?? Is your belief a mere sham and pretence. or does it only go so far as long as it does not disturb your social status. or . your living up to the Joneses' ? If you had to take a stand against opposition. how much would you be prepared to stand for. What say the Government stepped in and tried to close you up . or make it awkward for you to carry on your business. or the so called three men in Black started their nast work of making things horrible happen or scaring you or your family. . Would you be as one man put it. " I didn't mind it when it only happened to me , but when it started to happen to my wife and kids, it was time to draw a line ". What say it became an issue . of divorce ? I know some who have faced this.

One other thing which a lot of folk are UFO fans find themselves face with is the fact that quite often much that is found is quite contrary to scientific standards of acceptance. and this boggles some , especially those who want to remain scientific and fear being called names by their colleagues if they dare to go out on a limb on some UFO event . Of course this is coming back to the old fear of public opinion or the afraid of convention . .

One thing those of today have got to admire those of the early UFO researchers for was that despite the non support of any public opinion their way . extremely little evidence to support their claims even from those whose witnessed things. and even then there were those who were the hoaxers and crackpots to put up with. yet despite all this they had the courage of their convictions and it is to them you owe what you have today, a public admittance of such a fairly genuine all round acceptance at least of the possibility of such and the support of many scientists. for had they not stuck to their guns in the beginning the whole thing would have been washed down the drain, but their persistence and determination that amidst the opposition they were right, began to win though. so after all Courage of ones convictions in UFOs pays off.

Maybe we will have to let go many of the old conservative rope lines which have held us. just as the hippies have done before we find that sense of freedom of thought which will spark the thoughts in our minds which will give us the answers. for it could well be the reason why we can't find the answers which boggle us so much is because we are so much befused by our own ideas that they can't implant the ideas in our minds of the truth which they want us to know. and every now and then we get a glimmer of the truth and we cast it aside as too fantastic. because it worries our own way of thinking insatated of just shutting off our own ideas and let them " speak" as it were into the quiet mind.

EDITORIAL (3)

Maybe we can learn a lesson or two from our hippie young folk. in how to let go
The huge number of Psychiatrists . psychologists. waiting list. the doctors who
admit that a large percentage of our ills are caused by pure psychological upset
is a positive proof were not as free from our frustrations as we kid ourselves
to be and that we are terribly tied up within our selves with fears and repres-
sions which have there natural result in every way of our life.

I dare to predict that we will never find any answer tp the UFO problem until
we are free from these fears and frustrations. and it will be someone who so
frees himself from them and looks at the subject quite impartially and without a
thought of what man may think of him or cares little what they will do to him
that the answer will come. Maybe he will be too good anyhow and they will take
him away with them. for he would probably be crucified anyway . if left behind.
The world doesn't want Saviour it wants Pillmakers to put them to sleep and make
them have lovely dreams which help them to forget what they don't want to know
or remember, and I don't necessarily mean the pill is always a chemical one it can
be a mental one , it can be a movie. a book or a religion . as long as its an
opiate. Thank God however their are the minority who want to be free from that
and are struggling for the freedom of their convictions.

.....

SPECIAL NOTICE TO ALL LOCAL MEMBERS

WITH THE NEXT ISSUE OF PANORAMA MOST OF THE SUBSCRIPTIONS TO THIS MAGAZINE
WILL EXPIRE. WITH THE EXCEPTION OF A FEW. UNLESS YOU SUBSCRIBE FOR THE MAGAZINE
AFTER THAT WHICH IS VOL 10 No. 3. MAY-JUNE 1971. YOU WILL NOT BE ON THE MAILING
LIST AND THEREFOR NOT BE RECIEVING THE MAGAZINE.

IT IS VITALLY NECESSARY THAT IF YOU WANT TO CONTINUE RECIEVEING THE MAGAZINE WHETHER
YOU DESIRE TO REMAIN A MEMBER OF UFOPIA OR NOT. THAT YOU MUST NOTIFY OF YOUR
INTENTIONS OR NOT. OF RENEWING . BY THE END OF JUNE.

THANK YOU

THE EDITOR.

VENUS ROTATES BACKWARDS.

NO EVOLUTIONARY THEORY CAN EXPLAIN WHY .

Recent Radar-Doppler measurement show that Venus has slow retrograde motion . it
rotates "backward " as compared to the other planets. (Science, Vol. 170 Dec. 11 ;
1970.) (Only Uranus of all other planets , has such a retrograde motion - and
that is basically a technicality because Uranus' axis of rotation is almost in the
plane of the ecliptic) But why does Venus rotate " backward " as compared to other
planets? .

What could have caused Venus , an inner planet, to start rotating " backward "? I
Indeed, What could have caused the other planets to have rotated "forward " for that
matter? Granted that there is a plausible theory for the planets having " forward"
(eastward) rotation , can the same theory account for the retrograde motion of
Venus? No! Why should all the planets revolve about the sun in one direction ?
And why are all in one plane? Comets are completely contrasts to planets in this
respect. They approach the sun from every direction and in all planes. No theory of
Evolution of the solar system has yet been able to account for these irregularities.
Irregularities of this nature are called anomalies in scientific parlance . Re-
garding the case of Venus , Fred L. Whipple makes the statement on p. 20. "Earth,
Moon and the Planets " " In any case , the slow retrograde rotation is firmly es-
tablished and theories of planetary evolution must thenceforth allow or account for
this anomaly, inplanetary motion " . Cont. on Page. 6

"MORE MAGNETIC MEANDERINGS. "

By.

Mr John Rolfe.

The electro-magnetic radiation from the sun is responsible for the ionosphere in our upper atmosphere.. This comes about when the gas atoms in the ionosphere lose electrons or protons and these atoms then become electrically charged or ionised. Each atom is composed of electrons, with a negative charge and protons with a positive charge; the electrons revolving around the nucleus of protons. When the electrical charges are balanced the atom is electrically neutral.

The high speed particles from the sun in colliding with an atom can knock out an electron, and when an atom so loses an electron it becomes ionised. Then for an atom minus one or more electrons will carry a positive charge. Exactly the same thing happens with protons in the atomic nucleus. and an atom minus one or more protons carries a negative charge.

These free electrons and protons can also be captured by atoms. whereupon an atom with one or more extra electrons carry a negative charge; and with one or more added added protons will carry a positive charge.

That is how the earth's ionosphere is formed. obviously being in receipt of the sun's electro-magnetic spectrum, this layer is under continual bombardment.

It is this layer which reflects radio waves around the Earth. Storms on the Sun will cause holes to form in it, allowing radio signals to pass through, this explains why radio communications are sometimes blacked out during solar flares and sunspot activity. This electrically charged layer with its resultant magnetic fields, is in a constant state of movement.

Whenever an electrically charged particle moves, it becomes in effect a tiny magnet surrounded by its own magnetic field. In Space, if it moves into a magnetic field, and its speed is not too fast, it will be trapped in this field.

From this, 50 years ago, Carl Stormer, a Norwegian physicist, deduced the existence of what was only recently found to be the lower Van Allen Belts.

In this Belt, charged particles from the sun became trapped in the Earth's magnetic field. Each particle then moves in a spiral path around a line of magnetic force toward one of the Poles. As it approaches the Pole it slows down, the spiral tightening like a compressed spring. Then it reverses its path toward the other Pole, and so moves continually to and fro between the Poles.

Simultaneously there is an East to West drift if a proton, or West to East drift of an electron. Because of this drift there is a circulating electric current in each of the two Van Allen Belts, each surrounded by its own magnetic field.

The magnetometer used to measure the strength of magnetic fields uses this principle.. Water in a bottle is surrounded by a copper coil and when an electric current is passed through the coil it becomes a magnet. The protons in the Hydrogen component of water become tiny electro-magnets which then line up so that the axis around which they spin is at right angles to the Earth's magnetic field. When the current is switched off the protons are freed and move under the influence of the terrestrial magnetic field, and begin to wobble like a spinning top. The stronger the magnetic field acting on them, the faster they wobble. The protons own magnetic field moves with them and moving across the copper coil causes a weak induced current to flow through it. The measure of the frequency of this current is then the measure of the strength of the Earth's magnetic field.

MAGNETIC MEANDERINGS (2)

The same principle is used in the detecting of mineral deposits from aerial surveys . It is also a very accurate , if sophisticated, method of determining the amount of each element in a sample of rock. This was one of the means used in assaying the samples of the moon rocks brought back to Earth by the U.S. astronauts .

The UD.D. Vanguard , the ship which monitors U.S. space shots from the Atlantic ocean , has recently been using its sophisticated equipment as a sea going Geodetic station . In the northern summer some months ago, it was engaged in the measuring of the huge depression in the ocean's surface above the Puerto Rico Trench. This is some 28,600 feet deep. about 60 miles wide and 450 miles long --- some hole. ! The very significant fact to us is that it is in the southern sector of the mysterious Bermuda Triangle.

It was found that the surface of the sea above the Trench was depressed about 80 feet , This depression was caused by the vertical pull of the gravity being deflected , as gravity waves are thought to be analogous to magnetic waves, there should be magnetic anomalies in the area paralleling the gravitic anomalies discovered. However, there is a discreet silence on the subject. Because of the difficulties in making geodetic measurements on the open sea, there is very little known of gravitic or magnetic anomalies in the worlds oceans.

In June 1969, Weber of Princeton University detected extra terrestrial gravity waves, as always this was greeted with the usual scepticism by the Scientific establishment . However, accumulated data over the past 18 months has convinced many scientists of the validity of Weber's claims.

The existence of extraterrestrial gravity waves is in agreement with Einsteins general theory of Relativity . Weber claims that his data suggests that the origin of the waves lies in the direction of the galactic centre . However he does not rule out the possibility of cosmic gravity waves being received through the Galactic centre. At a meeting of the International Astronomers Union in England last September, Dr. Jolly of Harwell. pointed out that if extra-terrestrial gravity waves were being received, they should be accompanied by bursts of radiowaves. Five widely separated stations in Great Britain are scanning the Galactic centre on the 150 MHz band . So far at three stations 5 separate events have turned up, including some multiple bursts of unknown origin .

Of course, much more data will have to be received before the astronomical establishment will accept Weber's claims.

The existence of extra terrestrial gravity waves would be further substantiation of the claims that UFOs use extra terrestrial gravity and magnetic waves as a source of motive power. It also underlines the fact yet again that our knowledge of these waves is still in its infancy, and that remarkable discoveries in these fields could literally turn up at any time.

To many if us it is puzzling why UFOs seem to have an affinity for geological unstable areas. For some years now there have been reports from all over the world of sightings in areas subjected to earthquakes either just before or after even during the event .

Occult students maintain that these areas create a doorway from one plane of existence to another, due to the terrific amount of energy and the sound waves generated by the earthquakes. Much more likely however is that it is the gravitic and magnetic anomalies associated with earthquakes which attract the attention of UFOs.

To give added interest to this contention, we found reported in the Advertiser 26/12/70

" MAGNETIC MEANDERINGS " (3)

that Dr. Fred Stacey of Queensland University has developed an apparatus which allegedly predicts the onset of volcanic activity. The apparatus works by detecting changes in the local magnetic field, which occur when an eruption is imminent. It has been tried out successfully in New Zealand and will be tested in Hawaii in early 1971. It is also expected that the device will be of use in predicting earthquakes in areas of great risk such as Japan and California.

These magnetic anomalies could be caused by temperature and pressure. Pressure could cause a rise in temperature, which in turn would ionise any gas present deep in the earth, such as water vapour or sulphur. Ionisation would cause any electric current, which would create its own magnetic field.

Incidentally there is an area in the South West corner of Western Australia, where we not only have earthquakes and consistent UFO reports, but also the occult phenomena in the form of Poltergeistic activity. This has been reported as showers of stones falling on the roofs of houses from no apparent source. Despite diligent research both by the local inhabitants and the police, no reason was found for the occurrence nor explanation. It would be very interesting to find out if there were any gravitic or magnetic anomalies in the area.

The magnetic fields surrounding an electric magnet is caused by the flow of electric current; and the terrestrial magnetic fields are caused in the same way. We have currents inside the Earth and also in its atmosphere.

Inside the Earth, the currents are located in the core, the central part of the core is thought to be solid, of iron and nickel, and outer part liquid. It is in the liquid part, that electric current is generated. This being controlled by the earth's rotation. The flow of electric current around the solid core, this makes it an enormous electro-magnet. In the atmosphere we have the ionosphere and the two Van Allen Belts, where winds moving the ionised particles sets up a flow of electric current, and in consequence giant magnetic fields which reach down to the earth.

The indisputable fact, arising from all this, is that charge atomic particles rotating around a sphere, or disc, if you like, generates a flow of electric current, which in turn creates a magnetic field.

C.F. Phillips in 1969 True Report on Flying Saucers... has postulated a theoretical propulsion system for a flying disc. in the classic flying saucer mold. His system was magnetism and electricity supply to provide the energy needed to power a disc able to emulate the speed and gyrations of the UFOs. He utilises present day knowledge of cryogenics, atom particle acceleration and super conducting fields to propound his theory.

An electric current in a closed wire loop, at cryogenic temperatures, once started will continue to flow as long as the coolant remains sufficiently cold. Liquid Helium is usually the coolant preferred, as the wire is very light, weight is no problem, and so very powerful electromagnets can be set up with the consequent production of extremely powerful magnetic fields.

Briefly his machine would be powered by ions travelling around a tube in the circumference of the disc, the tube being surrounded by a super conducting current using liquid Helium as the refrigerant, and the resultant magnetic field to control the flow of ions.

To Fuel the craft ...

1. The electromagnetic coils would be cooled to operating temperature with liquid Helium.

2. The coil would then be charged with electrical energy, and after reaching maximum charge (in the same way as a battery is charged) the power source would be disconnected .
3. The craft is then connected to a huge ion accelerator feeding high energy ions into the engine tube. This process would continue until the circular tube contains a terrific amount of ions travelling at almost the speed of light. This could take some months but the craft would contain a fantastic amount of energy and the driving force would be of unbelievable power. For example , If the ions had a mass at rest of 30 lbs. . being accelerated 100 times would give it a mass of 3000 lbs. Using Einsteins theory --Energy equals mass times the speed of light squared($E = Mc^2$) the power to drive the craft would obviously out of this world.

Fringe benefits would be the utilization of the crafts magnetic field, to act as a shield against radiation in space , to obviate heating of craft in the re-entry into a planetary atmosphere , and also to overcome the communication blackout now associated with re-entry .

Whether the production of such a craft is feasible or not is another matter; but the theoretical possibility is without doubt .

This would seem to be a refinement of W.B. Smith's theory in UFO propulsion as mentioned in Keyholes book " Flying Saucers from Outer Space " first published about 1952 .

Smiths theory was that it should be possible to produce a magnetic sink within the Earths magnetic field into which a magnetic force would flow at a controlled rate giving energy in the process.

Such a sink would have the following properties.

1. Generation of electrical power from the collapse of Earths magnetic field.
2. Powerful reaction forces from the conducting ring surrounding the sink and offset from it, to support and propel the craft .
3. If the rate of flow of the magnetic force is modulated the resulting force could be used for communications.

This was the theory in 1952, and the recent discoveries in magnetohydrodynamics (MHD) would certainly give some validity to the 3rd property mentioned .

The many UFO reports of discs with a central cabin and rotating outer ring would fulfil the foregoing qualities. The collapsing field pressing through the surrounding metallic ring, would induce an electric current reacting with the magnetic field inducing it. and so produce a force with a vertical lift . The rotation of the outer ring may be a deliberate , or caused by electrons drag due to the electric current circulating around the disc. ; production of electrons being caused by ionisation of air surrounding the disc.

When a disc is accelerating upward a greater force would be necessary and there would be a greater circulatory current . If the current is sufficiently strong or the cooling of the disc inefficient, it could become red and even white hot. in line with the reported observations, also under certain operating conditions a high voltage maybe built up between the centre and the rim of the disc which could cause a corona discharge , giving rise to lights similar to the north ern lights or aurora; but which would be much more intense. Here we have a logical explanation for the colored lights often reported in UFO sightings.

MAGNETIC MEANDERINGS (5)

While nothing further seems to have come from Smith's 1952 theories in UFO propulsion, two facts stand out very clearly.

Firstly, present orthodox scientific knowledge in particle physics, ultra conducting fields and MHD would certainly lend support to Smith's Science Fiction type theories, yet how often in the past have we seen Science Fiction become science fact! Secondly, is the welath of information to be found in the early books on UFO investigations, and just how little of this information has been the subject of scientific research, ----- as far as we know.

It is quite obvious that if any such research has been carried out, the results would be most certainly classified, and not released in any way to the general public.

We owe a great deal to these early researchers, who continued their enquiries in the ridicule and abuse from the general public, the press and officialdom, may we yet see their fortitude and quest for knowledge rewarded, in the solving of this strange and wonderful enigma.

J. ROLFE.

ACKNOWLEDGEMENTS .

THE ADVERTISER ADELAIDE 25/12/70

Seeing the earth from Space. Adler.

Flying Saucers From Outer Space Maj. D.E. Keyhoe

True Report on Flying Saucers . True Magazine.

SCIENCE Journal Aug. 1969... Oct 1970.

.....

VENUS ROTATES BACKWARD. Cont from Page 3.

Previous theories for the evolution of our solar system were developed in ignorance of Venus' backward rotation. Perhaps it could be assumed that some stellar body, such as a star, planet or comet passed so close to Venus that its gravitational pull started it rotating "backward". But is that logical? The statistical evidence against such an occurrence defies the imagination. If we're going to assume in the first place, wouldn't it be more logical to assume that Venus started rotating that way that way at the time it was formed or made. -- however that was done?. Other anomalies in our solar system also defy explanation by any single theory of evolution.

The first such anomaly was discovered in 1898 when the satellite, Phoebe of Saturn, was found to have retrograde motion. Since that time four outer moons of Jupiter and one of Neptune have been discovered to be revolving about their parent planet in the "wrong" direction. Yet no theory has been able to properly explain this type of motion. Still evolutionary "scientists" cling tenaciously to their inadequate theories rather than accept the obvious evidence before their eyes, that all these bodies were made by a Great Creator. GOD. Our solar system did not arise in a haphazard manner... few topics have produced as many unprovable theories... No conclusive solution has yet been reached" (Payne. Gaposchkin Haramundanis, Intro. to Astronomy) Second Edition . p. 285.

Venus rotating backward is scientific evidence against the theory of evolution. We must rather look to other than physical for an adequate explanation.

We conclude with this question; Has God, knowing the proclivity of man to try to reason around Him as the Creator, built into His Creation just enough irregularities so that it would be impossible for man to account for them without Him?. The above is written by S.M. HEGVOLD. and printed in "TOMORROWS WORLD. MARCH 1971

P.O. Box 345 N. Sydney N.S.W.

G H O S T I M A G E

In our last issue "Mirror in the Sky" we dealt with the visible spectrum and reflection.

Reflections can and does play an important role in the illusionary effects that theatre and movie producers use to create "Ghosts" or "Ghost"Images". Can it also then be possible to see these images without any apparent cause directly visible to the eye?

How many of you have seen "Ghost Photographs"? Think not only of the image but of the rest of the photo and see if you can remember any of the following: a mirror, window or sheet of glass, water any form, or any bright surface that can reflect light.

We have of course certain laws concerned with these effects and reflection once again plays an important role.

REFRACTION is also a factor to consider when we explore these effects of phenomena. Refraction is when a ray of light passes through one medium to another of the same density and in a straight line. No alteration of its course takes place, but if the light passes in an oblique direction its course is broken or refracted. (Bent back from its natural path), and to this branch of optics the name of "Dioptrics" has been given. The bending of the ray is governed by laws called "Descartes Laws".

Firstly, whatever the obliquity of the incident ray, the sine of the incident angle and the sine of the angle of refraction are in a constant ratio for the same two media, but vary with different media.

Secondly, the incident and the refracted rays are in the same plane which is perpendicular to the surface separating the two media. This may be seen by placing a knitting needle or other long object in water at an angle and trying to hit the end in the water with another similar object. It is in fact NOT WHERE YOU SEE IT TO BE. See Sketch No. 1.

A2.B is a ray of light incident on the upper surface of the glass marked C.C., whose underside D.D. is parallel to C.C. On entering the glass the ray is refracted in the direction B.E. and it will be refracted again at its exit from the underside D.D. to the same amount as at its entrance, in the line E.F. So if you place your eye at F you would see the ray as if it had come from the Point A1 along the line F.E.A1.

This in part is the effect used to create ghost images, and wherever mirrors are used it must be remembered that an image or object appears as far behind the glass as the real image or object is before it. Also that when a person is looking at the image he does not observe the glass which has produced it.
("LOOK IN YOUR MIRROR").

- 2 -

So the first thing to look for is a reflecting surface in front of the image before accepting it as factual. Don't stand still, move to one side and then the other because the reflecting surface does not have to move at all to make an image appear to move. The real image can do that or another reflecting surface.

As a point of interest, the "Skeleton in the Cupboard" effect is described below and Sketch No. 2.

A.A. are two doors hung at the angles of the box or cupboard and able to close on the post D or of lying back in a recess in the sides. These doors have glass mirrors on the sides F. The post is set at the junction of the lines bisecting the angles of the back and sides. B is a door of thick plate glass and C is the external door. Lighting is from above post D.

One way to obtain suspended images is: Sketch No. 3 A.B. the mirror. C the object. B.D. painted or otherwise decorated ceiling which appears behind the object at M.M.

As you will see it is easy to obtain an image of just about any object by reflection and refraction, and in the case of the suspended image it is even more realistic brought about by the fact that the suspended image can cast a shadow, thereby making it appear solid.

Once again I do not ridicule anyone, and how these images appear to people in various places is beyond me, but I do know how they can be made by mankind and put into very good effect.

I would be more than interested to hear your Ghost Story with as many details as possible, but please make sure that you have not seen a mirage. As did hundreds of people in Longfellow's poem "Phantom Ship" which was seen floating upside down in the sky.

I have seen many "Ghost Photographs" that have been, I have been told, examined by experts at film laboratories to see if the negative has been double exposed or otherwise tampered with. Most times the term "no explanation" can be given or in, in newspaper headlines "Experts Baffled". This may well be the case but there are distinct possibilities that can cause these images to appear on a negative although the shutter on the camera has only been used once for the exposure.

Firstly, remember that no camera is necessary to provide a photograph. Any shoe box or ordinary room can be used as a camera giving a photograph at least as sharp and clear as any ghost photograph I have seen, and any number of ghosts may be seen at one time on the photo. The people involved may do this unbeknown to each other. So here the possibility arises that, although a photograph was made showing, lets say, five people - ^{five} people and

- 3 -

one ghost image will appear on the film, and each of the five will swear that only five people and the photographer were present. It will be seen by the sketch how this is possible to make a photograph, and at the same time put yourself in the picture as a ghost. This can be defined even further with a good quality camera.

Let A be a small pin hole and B the film or photographic paper.
C the object.

Load or place the photographic medium in the box at B in a dark Plug the hole A. Seal the box against light entering. Now place the box in position. Choose, lets say, a garden - the box being placed on a solid table or chair. Now remove pin. This is the as pushing the shutter release on your camera. Expose time depends on the size of the hole made and speed of the photographic medium. You may now walk around your garden in front of the box, your image will not appear on the film or paper unless you stop and pause for example one minute. You may do this as many times as you wish during the expose making a ring or line up of ghosts of yourself that can be seen through in many various positions - standing, sitting, bending, etc.

If you have no shoe box use a room as the box, the keyhole blanked ~~out~~ to make a round hole; darken the room, place tape over hole then place photo meium opposite. Have someone do the moving around outside in full light and you have the same effect as a camera. Develop all materials immediately to prevent a fog on the film appearing caused by any stray light.

Use a camera on time exposure and we can obtain a clearer picture that has not of course been tampered with, using the above methods of moving in and out of camera range. Therefore it is possible to obtain this effect using a box tupe camera, taking a photograph of someone but no noticing perhaps a small hole in the body or back of the camera body. Allowing a second object to be projected onto the film. It does not have to be a hole. A camera not closed properly may also admit a small ray of light to be reffected from the back of the lens of the film.

Light is a fascinating subject with no end of possibilities. Mankind is in no way the master of this medium but researchers all over the world still experiment and explore. Laser beams being of prime interest through which we can pass television channels, radio and telecommunications.

To see a "Ghost" light must be present in some form, whether it be reflected, refracted, flourescent or phosphorescent. With so many reports on what people see it is interesting to note that our small "visible spectrum" produces so many varied phenomena. What then is happening in the invisible spectrums of ultra violet and infra-red.

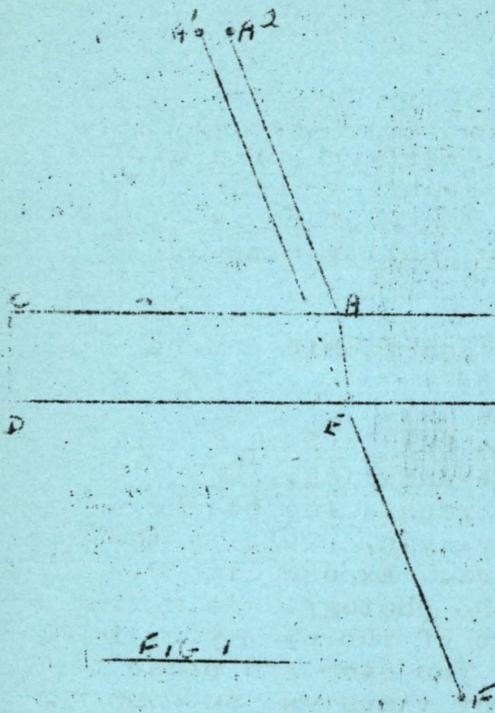


FIG 1

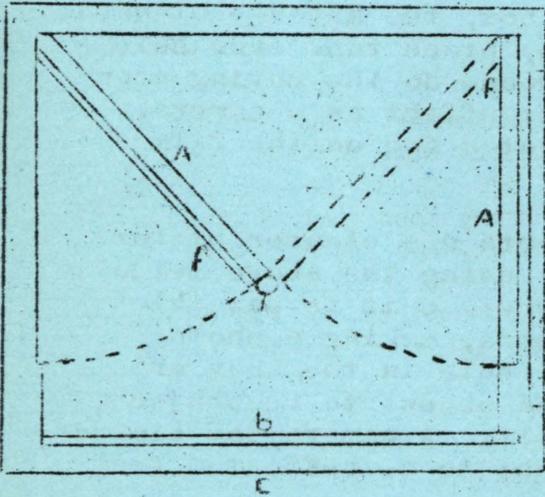


FIG 2

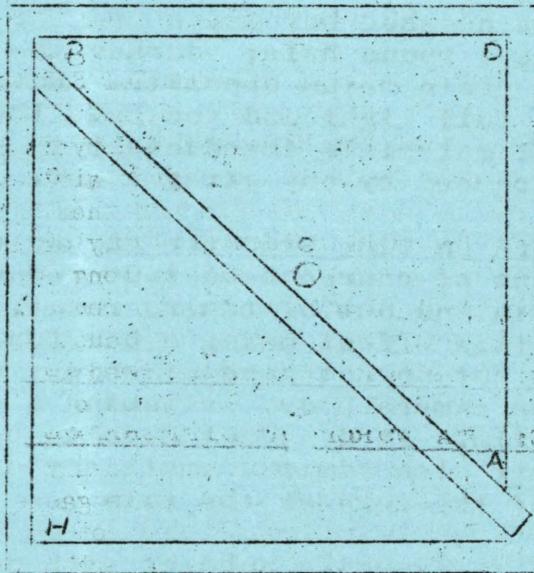


FIG 3

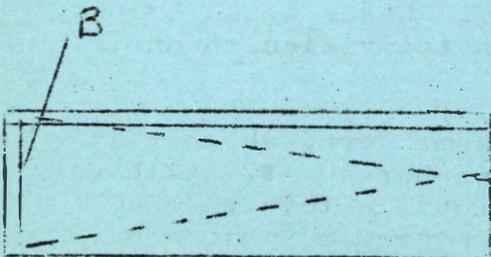


FIG 4

A REPLY TO " SCIENCE PHOTOGRAPHER" VOL 10 No 1.

Regarding his query about the band somewhere about the angstrom level. His opinions are quite correct regarding its location in the Electro-Magnetic spectrum. and also that it is not of terrestrial origin. at no time did I mention radio waves as he is well aware.

Radio Astronomers are concerned with all aspects of the Electro-magnetic spectrum received from the stars, not merely radio waves which is only a relatively very narrow band.

The crucial point is that this particular band is a deadspot through which electro-magnetic radiations do not appear to go either in or out.

My authority for this fact, came from the W.E.A. lectures in Space Research which I attended in the Winter of 1970. The lecturer who quoted this fact is a member of the physics faculty of Adelaide University. He is a radio astronomer of some note; and was, and still is connected with research in this field. for the University in conjunction with the W.R.E and N.A.S.A. Unfortunately I have no record of his name.

These back room boys incidentally are very reticent, and the general public has no conception of their stature in this particular field of research, and the regard in which they are held throughout the world by radio astronomers in other countries.

I must thank your correspondent for his interest, as it is very pleasing to know that someone reads my articles, no doubt this explanation will be of some help to him.

J. RCLFE .

.....
 UFOs A USA. SECRET PROJECT SAYS SCIENTIST .

According to the latest edition of " FLYING SAUCERS " USA Palmer Pubs. E. Frederick Schaffer claims that the UFOs sighted by Kenneth Arnold were some of the first of series of UFO projects at secret air craft of UFO types. He even claims that Arnold saw the official lettering on them XF5U-2/ Funny that such a fine man as Arnold never said so either publicly or in his book. But however the claims made continue by this man with a long line of creditable experience He says " Finally the mystery can be cleared up by 3 simple facts. +. Flying saucers do exist; .. They are not visitors from another planet. 3.. they are part of an entirely new defence system being developed by the USA.

He then goes on to explain the whole gamut of the build up of the how why and wherefor. but it is rather with the title of his article which struck me. "

" PROJECT DOOMSDAY ". For he continues to show how effective these new craft would be to quell any uprisings. by nerve gases in any country or disturbing places. all being remote controlled and not necessarily manned by the little men which he claims are dwarf people of earth who have been especially selected and sought out to fit into the space ships. thus explaining the small men which have been seen from time to time. He even adds that they have been constructing a " grid system" around the world for the very purpose of such. Shades of Capt. B. Canby.

" he says " they will be able to pinpoint the tiniest village in the most distant reaches of Africa, Asia or anywhere. and will be dispatched in a flash.

One thing is very clear this is all very nice but what if this all true. and such craft and powers are in the hands of " Big Brother" who wants to dominate the world. working behind the scenes for control. It could well be PROJECT DOOMSDAY for the world. Well thank God even if that were true there are some of us who believe in greater forces at work than even them. The point is DO YOU?

NEWS FORM HERE AND THERE.

UFO SETS TONGUES WAGGING .

"DAILY NEWS " WES AUST . March 5th . 1971

Coolgardie. Today. Coolgardie is buzzing with rumours of flying saucers today after the sighting of and unidentified flying object between Coolgardie and Kalgoolie.

It was sighted about 6.30 pm and was visible until about 7.15 pm. About 500 people are believed to have seen the triangle-shaped object.

Most reports say the object appeared bright and travelling in a westerly direction before it disappeared .

The licensee of the Denver City Hotel in Coolgardie , Mr Bob Thompson. said that more than 20 people drinking in the front bar moved into the street when they heard about the object. He said that it appeared to be U or V shaped and was high in the sky.

He said that a man travelling to Perth had noticed the object and had given him a pair of high-powered binoculars to look at it.

Mr Thompson said that the object when seen closer appeared to be triangular and seemed to be drifting across the sky .

He said that the man took two photos of it before it disappeared.

Prospector John Andrewartha was three miles from Kalgoolie when he first spotted the phenomenon.

He examined it through binoculars and wrote down the times he saw it.

" When I first saw it the object appeared triangular with slightly curved sides. Two sides of it were bright and appeared to be silvery. "

A mechanic in Coolgardie Mr Phillip Drake-Brockman was working outside the service station where he was working.

The object appeared to be higher than cloud which was about 10,000 feet, he said.

.....
Note a number of sightings were reported around Adelaide on this week but your Editor was away on a brief holiday and investigations were not able to be proceeded with .
.....

PILOT TURNS PLANE TO AVOID METEOR.

Monday 19th Jan. 1971/

A Flying Doctor Service pilot yesterday described how he took evasive action in his aircraft to avoid a meteor.

The pilot, Mr. Richard Coxon (26) , of Meekatharra, said he thought the meteor passed within two miles of his twin-engine Beech-Baron aircraft about 2 a.m. on last Wednesday .

He said he saw a greenish light in front of the plane that became bigger and bigger.

" When I realised I was on collision course with the light I started turning the plane to the left, but at that stage the light suddenly went out," he said. The light lasted several seconds.

.....
What a most obliging and courteous meteor. Editor.

Credits above to Mrs B. Perkins our W.A. correspondent.

U.F.Os ON INFRA-RED.

W.A SUNDAY TIMES MARCH 28/71

Photographer Ted Henderson lives near the ocean at Cottelsloe. His balcony commands a sweeping view of the sea and sky and Ted makes the most of the opportunity to relax and take in the view.

He enjoys stargazing. He began to notice on frequent occasions , unexplained lights that would shoot across the night sky. hover, twist about, vanish and then reappear .

As a photographer he began thinking about recording them on film . The technical problems were formidable . The light was faint and a long way off . The objects had to be caught while they were stationary, and the sky over the sea was very hazy.

To penetrate the haze and record the image in color, Ted chose infra-red color film , now available locally.

Infra-red film , in addition to recording the visible light, will also record infra-red light which is invisible to the human eye but can be felt as heat. The hotter a body is. the stronger the infra-red radiation .

He chose a 35mm single lens reflex camera and a 300mm, telephotolens. to which he added two converters. giving a total focal strength of 1200mm.

A solid rock-steady tripod was used and shots were made only when there were no cars passing .

The objects recorded very strongly on the infra-red film , indicating high relative temperature.

The job was successful but the shots did not identify the objects.

The pair here gives a picture of three objects in the sky which are round with the caption

Three mystery lights seemingly in formation as captured by the photographer Ted Henderson on infra-red color film recently . Most of the detail has been lost in the transition to black and white . The original transparencies show quite a definite nucleus surrounded by a bluish aura.

.....

Credit Mrs B. Perkins.

COUPLE TELL OF ATTACK BY LIGHTS.

West Aust . "Daily News." 13/4/71

A terrified couple claimed today they had been menaced by mysterious lights in the early hours of this morning near Brunswick Junction .

They said that the lights rushed at their car at high speeds and stopped just short of a crashing into them .

It appeared at times as though the lights would crash through their car .

The attack took place for about ten minutes, from 4.45 a.m. on the South Western Highway on a long straight section of the road leading out of Brunswick Junction .

The couple are Geoff Richards (28) and his wife Toni (26), of Laurel Rd. Woodlands.

" We had not seen another car for about 60 miles," Said Mr Richards.

" When we passed through Brunswick it was deserted. " shortly afterwards I noticed a light in the rear vision mirror.

" I thought that any car which had just appeared like that would have to be going really fast .

" Suddenly the light came racing up to the car. It appeared to be going about 500 miles an hour .

" My wife screamed that it was going to hit us. Then it just suddenly stopped.

" The light stayed behind, about 20 yards away, for a few seconds then shot back on to the horizon behind us.

Continued page 16

SKY LIGHTS HAZZLE A DOCTOR.

"DAILY NEWS" West Aust . March 11th 1971.

A doctor this morning reported seeing abig cigar-shaped object in the sky over Perth . for the second time this week .

Dr. Lindsay Redgrave, of Canning Highway , East Fremantle, said he and his wife had first sighted the object at 2 a.m. on Monday, and again at 5 a. . today .

" There is now doubt in my mind now that space ships or UFOs do exist" he said (Kalgoorlie and Coolgardie people reported having seen a triangular object in the sky on March the 5th .) See previous page ..

Dr Redgrave said that when he first saw the object through trees on Monday he thought it was the moon .

" But when I got a good look I saw it was a cigar-shaped , invandescent white and quite large about two-fifths of the moon's diameter . It was staichary in the eastern sky and about 45 deg. from the horizontal.

" My wife thought she could make out a line of portholes. "

The Government astronomer, Mr. B.J. Harrissaid he had not sighted the object and could offer no real explanation. Perhaps it could be two separate planets , Jupiter and Venus. - particularly bright if there was a morning haze.

Dr Redgrave does not accept this explanation .

" The objects were far too big." he said, " If I see them again I'll ring all my friends to make sure they see it too."

..... Credit Mrs. Perkins.

In regard to the above statement made by the Perth astronomer Mr. B.J. Harris. your Editor is somewhat amazed. in regard to his staement that the object could have been Venus or Jupiter . According to the Official charting from Mt. Stromlo Observatry in regard to planetary risings for this month it states.

VENUS. is still a morning object and continues to incline towards the Sun's direction Well we have no quarrells there.

BUT listen to this.

JUPITER Rises before Midnight. also somewhat sout of east and is grow ing brighter .

Perhaps he will explain how Jupiter rising before MIDNIGHT CAN BE NEAR VENUS AT EARLY DAWN . IN THE EAST .

COUPLE ATTACKED BY LIGHTS Cont ffrom Previous page.

" It began to glow red . like a fire. Then it turned white again and came at usa second time. I thought it was going to go right through us. It was like a motor cyclist who could not see us. This happened about 4 times then I look ed in frontand there was another light there.

" It shot forward at us about head height, at the same time as the other one from the back was coming forward again.

The one in front came at us three times and ach time pulled up just short abd darted back, sometimes disappearing.

Mrs Richards said " What was so frightening, was that when the one at the back turned from red to white on the horizon we knew it was coming again .

" It was npt the kind of light a car beam gives. I could look right at it w cont page. 17

U.F.O. LANDING PATCH AT MINLATON S.A.
 U.F.C. ENIGMA.

A photograph appeared in the Yorke Peninsular Country Times some time last year and has just been drawn to our attention by it reappearing again in another country newspaper. It shows a nearly circular bare patch of ground approx 9 to 10 feet in diameter, which appeared in the corner section of a paddock due west of Minlaton.

The paper goes on to add that a request for help from those interested or who had seen similar impressions.

Mr Weston Smith a member of UFOPIA at Maitland said that during the period of appearance of this impression, there had been a large number of reports of UFO over Yorke Peninsula.

He said They are trying to enlarge on a theory devised by Capt. Bruce Cathie and of Harmonic 33 and have adopted his idea that UFOs follow a definite flight pattern and use a grid system for their source of power.

The aim of the society is to grid YP and the surrounding areas (see map) A grid (quote Harmonic 33) is a sort of ' latticed framework like the pattern of a trellis . This exists around the world, but is set underground ' .

Recent sightings on Y.P. have included .

1. Out of Balgowan 20th July 1970. Again at Balgowan 3rd Aug by the same family
2. 5th Aug. 5 Miles out of Minlaton on Bluff Rd. in the following week a farmer noticed a 9 ft . diameter circle bare of grass in the corner of a paddock over which UFO had been seen on 5th Aug.
- 3 30th Sept. over town of Burra.
4. 7th Oct/ School teacher sighted object near Balgowan . Object appeared to be diamond shaped.
5. 8th Oct . Married woman noticed object to the left of her car while driving home to farm north of Minlaton .
6. 11 th Oct family holidaying at Ardrossan noticed Ufo hover out over the sea for 25 minutes .

By adopting Bruce Cathie's theory . UFOs fly on a grid system or a predetermined pattern . By associating sightings and the one possible landing point west of Minlaton the grid in the photo has been scaled down to five nautical miles . It is surprising to see how close the points of interception and sightings coincide. This grid is not necessarily 100 p.c. accurate but with further sightings and information it could be improved. so Mr. Smith says.

.....

FOR MAP SEE FOLLOWING PAGE .

COUPLE ATTACKED BY LIGHTS Continued from Page.

without is hurting my eyes.

" It gave no beam and did not light up. the surrounding bush until it was on the horizon again . There was no noise. "

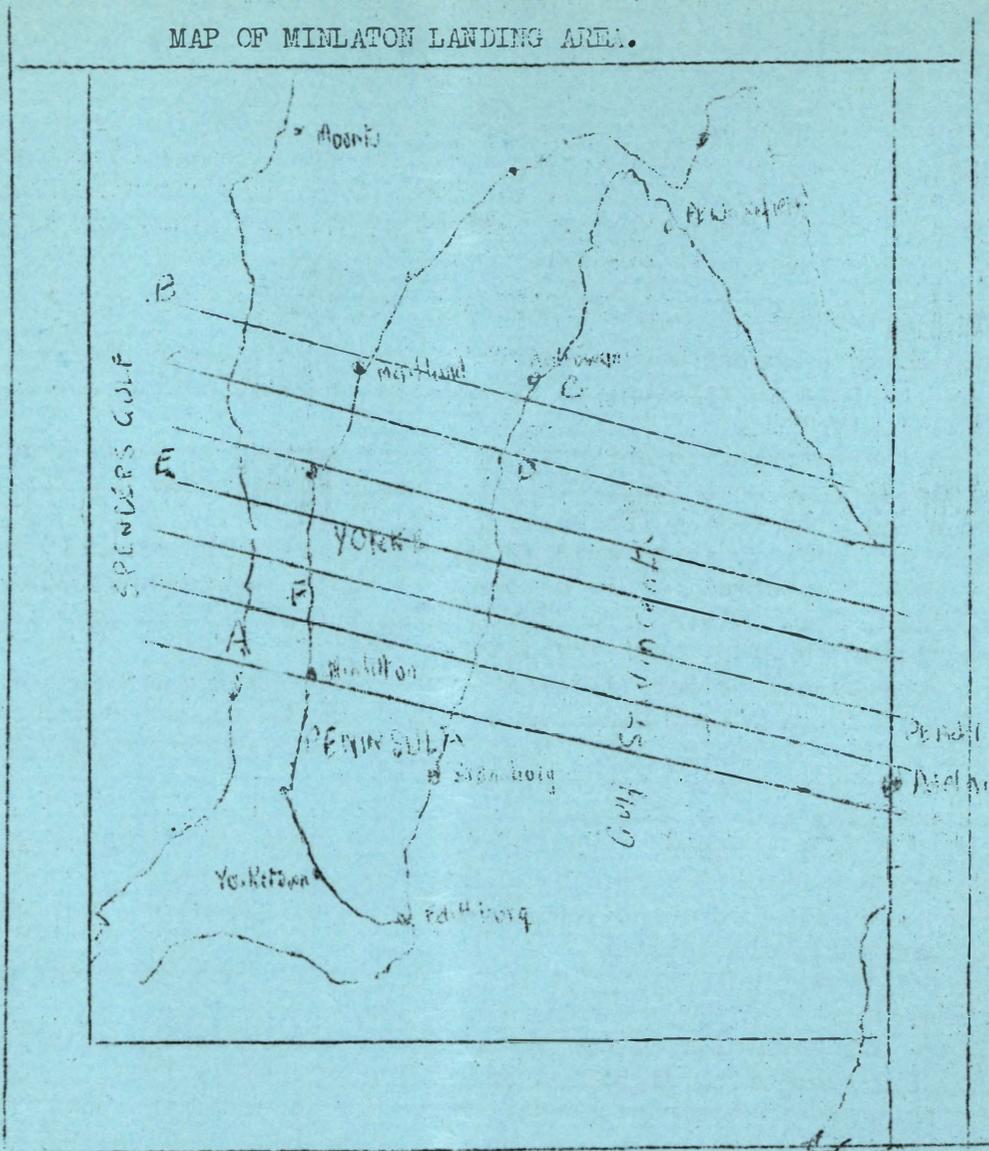
Mr. Richards added, " We passed a red semi-trailer just after the lights had disappeared and I'm sure he would have seen them . It would have been good if he came forward and verified our story .

" I'm a speedway driver and I've never been as frightened as that, not even before a race.

.....

Credit our Perth Observer Mrs B Perkins.

MAP OF MINLATON LANDING AREA.



KEY TO MAP.

- A.. Impression on ground west of Minlaton
- B.. Object over sea at Balgowan
- C.. Object over sea at Ardrossan
- D.. Oragne light seen by Minlaton Family
- E.. Last sighting of object that followed Port Victoria lads. Nov 1963
- f. Object seen by Married woman near Minlaton .

INDEX TO THIS VOLUME. No 2.

Editorial.			
"Courage of One's Convictions "	1-3	News from here and there.	
"More meanderings in Magnetics "		UFO sets tongues wagging W.A.	14
J. Rolfe.	4-8	Pilot turns to avoid Meteor	14
		UFOs on Infra-red.	15
By J. Grose.		Couple Tell of Attack by Lights	15, 16, 17
		Sky lights puzzle West Ayst Doctor.	16
Reply to "Science Photographer "		UFO landings Minlaton area.	17
J. Rolfe.	13	MAP OF ABOVE .	18