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NEWSLETTER

October 1972.

CHARIOTS OF THE GODS has caused more interest in Unidentified Flying Objects than any other book published.

The film version of the book has already been televised twice and interest remains so great that a third showing is being considered. Channel O is now planning to bring the author of this best-selling book to Australia.

The general public is becoming more aware that UFOs are not confined to this progressing Space Age in which we live but that they have been puzzling mankind for many centuries.

Age-old hieroglyphs on an Egyptian papyrus, which is actually part of the Royal Records during the time of THOTMES III, reveal records of UFOs. These descriptions are identical with modern day sightings, displaying the same characteristics.

One report describes a great circle of fire which appeared in the sky. The UFO was approximately 170 feet across. The Egyptians fell to the ground in great fear as it passed overhead. The object gave out an offensive odour and caused panic amongst the people. A few days later several flying saucers of the same size were seen again.

UFO sightings continued to be reported down through the ages, although not as frequently as they have been during the past twenty-five years.

On February 28, 1904 a formation of three maneuvering objects was sighted by the crew of the U.S.S. Supply.

In December of 1909 a "mysterious airship" flew over Worcester, Massachusetts, U.S.A. The U.F.O. emitted a bright beam of light as it flew southeast to north west, hovered over Worcester and then flew away.

On August 5, 1926 explorer Nicholas Roerich, together with others, observed a shiny oval-shaped UFO fly over the Himalayan Mountains. The object changed course several times.

On January 1, 1931 a UFO was sighted flashing a bright light. The object circled over Cobden, Ontario, Canada and then sped up and climbed out of sight.

. . .

For those interested in this fascinating subject, VUFORS provides for its members the largest U.F.O. library in the Southern Hemisphere. A library which contains almost all the books printed on the subject, including books written by the frauds and hoaxers - both the official hoaxers and the unofficial ones! But many of our books are authentic and provide excellent background material for research. We request that members take full advantage of this unique

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We have been publishing excerpts from the paper "Science In Default" which was presented before the American Association for the Advancement of Science on 27th December 1969 by the late Professor James E. McDonald.

In the last issue of The Bulletin we began Case 3 of four UFO cases referred to by Professor McDonald in his paper as being specific illustrations of what he regarded as "serious shortcomings of case-investigations in the Condon Report and in the 1947-69 Air Force UFO program".

We now continue Case 3

(CONTINUING)

SCIENCE IN DEFAULT

- 22 Years of Inadequate UFO Investigations -

James E. McDonald

Visual Observations (cont.)

c. Direction, intensity, and configuration of the luminous source: IR-35-52 contains a signed statement by Airman A, a sketch of the way the luminous source looked through 7-power binoculars, and summary comments by Capt. Charles J. Malven, the FFAF intelligence officer preparing the report for transmission to Bluebook.

Airman A's own statement gives the bearing of the source as NNE; Malven's summary specifies only NE. Presumably the witness' statement is the more reliable, and it also seems to be given a greater degree of precision, whence a line-of-sight azimuth somewhere in the range of 25 to 35° east of north appears to be involved in the Haneda sightings. By contrast, the Tachikawa sighting-azimuth was in excess of 90° from north, and probably beyond 100°, considering the geography involved, a point I shall return to later.

Several different items in the report indicate the high intensity of the source. Airman A's signed statement refers to it as "the intense bright light over the Bay". The annotated sketch speaks of "constant brilliance across the entire area" of the (extended) source, and remarks on "the blinding effect from the brilliant light". Malven's summary even points out that "Observers stated that their eyes would fatigue rapidly when they attempted to concentrate their vision on the object", and elsewhere speaks of "the brilliant blue-white light of the object". Most of these indications of brightness are omitted from the Condon Report, yet bear on the Capella hypothesis in terms of which that Report seeks to dispose of these visual sightings.

Airman A's filed statement includes the remarks that "I know it wasn't a star, weather balloon or Venus, because I compared it with all three". This calls for two comments. First, Venus is referred to elsewhere in the case-file, but this is certainly a matter of confusion, inasmuch as Venus had set that night before about 2000 LST. Since elsewhere in the report reference is made to Venus lying in the East, and since the only noticeable celestial object in that sector at that time would have been Jupiter, I would infer that where "Venus" is cited in the case-file, one should read "Jupiter". Jupiter would have risen near 2300, almost due east, with apparent magnitude -2.0. Thus Airman A's assertion that the object was brighter than "Venus" may probably be taken to imply something of the order of magnitude -3.0 or brighter. Indeed, since it is most unlikely that any observer would speak of a -3.0 magnitude source as "blinding" or "fatiguing" to look at, I would suggest that the actual luminosity, at its periods of peak value (see below) must have exceeded even magnitude -3 by a substantial margin.

Airman A's allusion to the intensity as compared with a "weather balloon" refers to the comparisons (elaborated below) with the light suspended from a pilot balloon released near the tower at 2400 that night and observed by the tower controllers to scale the size and brightness. This is a very fortunate scaling comparison, because the small battery-operated lights long used in meteorological practice have a known luminosity of about 1.5 candle. Since a 1-candle source at 1 kilometer yields apparent magnitude 0.8, inverse-square scaling for the here known balloon distance of 2000 feet (see below) implies an apparent magnitude of about -0.5 for the balloon-light as viewed at time of launch. Capt. Malven's summary states, in discussing this quite helpful comparison, "The balloon's light was described as extremely dim and yellow, when compared to the brilliant blue-white light of the object". Here again, I believe one can safely infer an apparent luminosity of the object well beyond Jupiter's -2.0. Thus, we have here a number of compatible indications of apparent brightness well beyond that of any star, which will later be seen to contradict explanations proposed in the Condon Report for the visual portions of the Haneda sightings.

Of further interest relative to any stellar-source hypothesis are the descriptions of the configuration of the object as seen with 7-power binoculars from the Haneda tower, and its approximate angular diameter. Fortunately, the latter seems to have been adjudged in direct comparison with an object of determinate angular subtense that was in view in the middle of the roughly 50-minute sighting. At 2400, a small weather balloon was released from a point at a known distance of 2000 feet from the control tower. Its diameter at release was approximately 24 inches. (IR-35-52 refers to it as a "ceiling balloon", but the cloud-cover data contained therein is such that no ceiling balloon would have been called for. Furthermore, the specified balloon mass, 30 grams, and diameter, 2 feet, are precisely those of a standard pilot balloon for upper-wind measurement. And finally, the time (2400 LST = 1500 Z) was the standard time for a pilot balloon run, back in that period.) A balloon of 2-ft diameter at 2000-ft range would subtend 1 milliradian, or just over 3 minutes of arc, and this was used by the tower observers to scale the apparent angular subtense of the luminous source. As IR-35-52 puts it: "Three of the operators indicated the size of the light, when closest to the tower, was approximately the same as the small ceiling balloons (30 grams, appearing 24 inches in diameter) when launched from the weather station, located at about 2000 feet from the tower. This would make the size of the central light about 50 feet in diameter, when at the 10 miles distance tracked by GCI...A lighted weather balloon was launched at 2400 hours..." Thus, it would appear that an apparent angular subtense close to 3 minutes of arc is a reasonably reliable estimate for the light as seen by naked eye from Haneda. This is almost twice the average resolution-limit of the human eye, quite large enough to match the reported impressions that it had discernible extent, i.e., was not merely a point source.

But the latter is very much more clearly spelled out, in any event, for IR-35-52 gives a fairly detailed description of the object's appearance through 7-power binoculars. It is to be noted that, if the naked-eye diameter were about 3 minutes, its apparent subtense when viewed through 7X-binoculars would be about 20 minutes, or two-thirds the naked-eye angular diameter of the full moon -- quite large enough to permit recognition of the finer details cited in IR-35-52, as follows: "The light was described as circular in shape, with brilliance appearing to be constant across the face. The light appeared to be a portion of a large round dark shape which was about four times the diameter of the light. When the object was close enough for details to be seen, a smaller, less brilliant light could be seen at the lower left-hand edge, with two or three more dim lights running in a curved line along the rest of the lower edge of the dark shape. Only the lower portion of the darker shape could be determined, due to the lighter sky which was believed to have blended with the upper side of the object. No rotation was noticed. No sound was heard."

Keeping in mind that those details are, in effect, described for an image corresponding in apparent angular size to over half a lunar diameter, the detail is by no means beyond the undiscernible limit. The sketch included with IR-35-52 matches the foregoing description, indicating a central disc of "constant brilliance across entire area (not due to a point source of light)", an annular dark area of overall diameter 3-4 times that of the central luminary, and having four distinct lights on the lower periphery, "light at lower left, small and fairly bright, other lights dimmer and possibly smaller." Finally, supportive comment thereon is contained in the signed statement of Airman A. He comments: "After we got in the tower I started looking at it with binoculars, which made the object much clearer. Around the bright white light in the middle, there was a darker object which stood out against the sky, having little white lights along the outer edge, and a glare around the whole thing."

All of these configurational details, like the indications of a quite un-starlike brilliance, will be seen below to be almost entirely unexplainable on the Capella hypothesis with which the Condon Report seeks to settle the Haneda visual sightings. Further questions ultimately arise from examination of reported apparent motions of the luminous source, which will be considered next.

d. Reported descriptions of apparent motions of the luminous source: Here we meet the single most important ambiguity in the Haneda case-file, though the weight of the evidence indicates that the luminous object exhibited definite movements. The ambiguity arises chiefly from the way Capt. Malven summarized the matter in his IR-35-52 report a week after the incident: "The object faded twice to the East, then returned. Observers were uncertain whether disappearance was due to a dimming of the lights, rotation of object, or to the object moving away at terrific speed, since at times of fading the object was difficult to follow closely, except as a small light. Observers did agree that when close, the object did appear to move horizontally, varying apparent position and speed slightly." Aside from the closing comment, all of Malven's summary remarks could be interpreted as implying either solely radial motion (improbable because it would imply the Haneda observers just happened to be in precisely the spot from which no crosswise velocity component could be perceived) or else merely illusion of approach and recession due to some intrinsic or extrinsic time-variation in apparent brightness.

In contrast to the above form in which Malven summarized the reported motions, the way Airman A described them in his own statement seems to refer to distinct motions, including transverse components: "I watched it disappear twice through the glasses. It seemed to travel to the East and gaining altitude at a very fast speed, much faster than any jet. Every time it disappeared it returned again, except for the last time when the jets were around. It seemed to know they were there. As for an estimate of the size of the object -- I couldn't even guess." Recalling that elsewhere in that same signed statement this tower controller had given the observed direction to the object as NNE, his specification that the object "seemed to travel to the East" seems quite clearly to imply a non-radial motion, since, if only an impression of the latter were involved, one would presume he would have spoken of it in some such terms as "climbing out rapidly to the NNE". Since greater weight is presumably to be placed on direct-witness testimony than on another's summary thereof, it appears necessary to assume that not mere radial recession but also transverse components of recession, upwards and towards the East, were observed.

That the luminous source varied substantially in angular subtense is made very clear at several points in the case-file: One passage already cited discusses the "size of the light, when closest to the tower...", while, by contrast, another says that: "At the greatest distance, the size of the light appeared slightly larger than Venus, approximately due East of Haneda, and slightly brighter." (For "Venus" read "Jupiter" as noted above.) Jupiter was then near quadrature with angular diameter of around 40 seconds of arc. Since the naked eye is a poor judge of comparative angular diameters that far below the resolution limit, little more can safely be read into that statement than the conclusion that the object's luminous disc diminished quite noticeably and its apparent brightness fell to a level comparable to or a bit greater than Jupiter's when at greatest perceived distance. By virtue of the latter, it should be noted, one has another basis for concluding that when at peak brilliance it must have been considerably brighter than Jupiter's -2.0, a conclusion already reached by other arguments above.

In addition to exhibiting what seems to imply recession, eastward motion, and climb to disappearance, the source also disappeared for at least one other period far too long to be attributed to any scintillation or other such meteorological optical effect: "When we were about half way across the ramp (Airman A stated), it disappeared for the first time and returned to approximately the same spot about 15 seconds later." There were scattered clouds over Haneda at around 15-16,000 ft, and a very few isolated clouds lower down, yet it was full moon that night and, if patches of clouds had drifted very near the controllers' line-of-sight to the object, they could be expected to have seen the clouds. (The upper deck was evidently thin, for Capt. Malven notes in his report that "The F94 crew reported exceptional visibility and stated that the upper cloud layer did not appreciably affect the brilliancy of the moonlight.") A thin cloud interposed between observer and a distant luminous source would yield an impression of dimming and enhanced effective angular diameter, not dimming and reduced apparent size, as reported here. I believe the described "disappearances" cannot, in view of these several considerations, reasonably be attributed to cloud effects.

I have now summarized the essential features of the Haneda report dealing with just the visual observations of some bright luminous source that initiated the alert and that led to the ground-radar and airborne-radar observations yet to be described. Before turning to those, which comprise, in fact, the more significant portion of the over-all sighting, it will be best to turn next to a critique of the Bluebook and the Condon Report attempts to give an explanation of the visual portions of the sighting.

(TO BE CONTINUED)

(Eds. - Again we apologise for having to break continuity - Case 3 will be continued in the next issue.)

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(continued from page 1) library (or facility) which operates on a postal basis within the Commonwealth of Australia. Members are urged to attend the monthly meetings which are held on the second Friday evening of each month EXCEPT JANUARY, in The Theatrette, Lower Ground Level, National Mutual Centre, 447 Collins Street, City, commencing at 8 p.m. These meetings are open to the general public.

The Committee provides interesting films, reports, eyewitness descriptions, discussions and guest speakers. Please attend and bring a friend.

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"I'VE BEEN CHASED BY A FLYING SAUCER".....

This is what a Rye housewife told the policeman when she raced, out of breath, into the Rosebud police-station on July 5th this year. "I know he didn't believe me", she said.

So commenced the fascinating story told by Mrs. Maureen Puddy to Mrs. Judith Magee, Vice President of VUFORS.

On the night of July 5, 1972 Mrs. Maureen Puddy of Rye, Victoria was returning home after visiting her seven year old son who was in the Royal Children's Hospital in Melbourne as a result of a school accident. The initial trip had been made in the Angel of Mercy Helicopter Ambulance Service, of which Mrs. Puddy is currently President.

As was her custom after visiting her son, she called on her mother at Carrum, stayed long enough for a cup of tea and a brief chat and then continued on her way along the rather dark and lonely road. She had just crossed the railway line on the Moorooduc Road when a silver-blue light seemed to be shining down on the road. Thinking it was the helicopter flying along above her she accelerated, with the idea of leaving it behind, but the light remained in position above her so she slowed down believing that the 'copter would fly on, but still the light remained above her. "Perhaps the pilot was trying to attract her attention. Perhaps he had a message for her." These were the thoughts racing through her head and so she stopped the car and got out to take a look. Can you imagine her amazement when, on looking up in anticipation of seeing a helicopter, her eyes beheld a most unusual and extremely large unidentifiable object with absolutely no resemblance to a helicopter. Mrs. Puddy leaned against her car for support and watched for a moment, then the hovering object flew off at terrific speed. The lone driver hastened back behind the wheel and raced off to the nearest police-station, which was not manned at that hour of night, so she went on to the next one at Rosebud. There she told her story to the very sceptical policeman.

Twenty-two days later, on the 27th of the month, Mrs. Puddy was again returning home alone after visiting her son in the hospital. She had just passed the small crossing where this time she saw a man with a torch and leading a cow on a length of rope when, once again, the silvery-blue light appeared. Her first thought was "Oh no! Not again!" Gripping the wheel and putting her foot more firmly on the accelerator, the frightened driver was determined not to stop. However, this was not to be. The bluish light enveloped the car and lit up the surrounding countryside then, as though someone had switched off the ignition, the motor cut out! Brakes were applied, knobs twiddled, the wheel was turned - but all to no avail. The car just gently drifted to the side of the road and stopped, with the headlights still on. Mrs. Puddy sat there, glued to the seat and gripping the steering-wheel, not knowing what to do next. When trying to explain her next few moments she stated that "if you could describe a vacuum, then I was in one - there wasn't a sound, no breeze, no movement, just complete quiet and calm." Then to her astonishment a voice spoke to her in a foreign language. As she was sitting thinking she couldn't understand what was being said, the sentence was 'translated' into what she termed "almost perfect English, spoken in more or less of a monotone, as if coming through a computer". The voice told her "YOUR TESTS WILL BE NEGATIVE"..... pause. "DO NOT PANIC, WE MEAN YOU NO HARM".....pause. "TELL THE MEDIA".....longer pause. Then "YOU ARE NOW IN CONTROL".....after which the ignition started without assistance! The stunned driver sat there for a few minutes trying to gather her thoughts and courage, then she too 'took off'!

In a rather agitated state, Mrs. Puddy drove about six miles to a farm-house where she hammered on the door and asked the pyjama-clad, sleepy-eyed owner if she might use the 'phone, only to be informed that there wasn't one on the premises. Her next call was at the Rosebud police-station where she had reported her previous sighting. This time the officer, with a blasphemous comment, invited her inside where she insisted on making an official report.

In the last three issues of The Bulletin we have published excerpts from the personal lecture notes, "Lecture About Flying Saucers - 1954", of Professor Hermann Oberth who was co-designer of the V2 rocket and who taught rocketry to Wernher von Braun. This issue contains the final instalment of those lecture notes.

(CONCLUDING)

LECTURE NOTES FOR LECTURE ABOUT FLYING SAUCERS (1954).

by Professor Hermann Oberth

(Translated from the German by M. Blumrich)

I personally do not understand two things about this Lewetzow-Pinkell Theory:

- i. If gravity extends with the velocity of light only, noticeable observations should develop, for instance, which would change the length of a year since historical times.
- ii. The Lewetzow particles would have to be much smaller than the smallest material particles. Pinkell therefore assumes particles and waves which are millions of times smaller and shorter, respectively than the known hard gamma-rays. If one alloys metals and works with the alloys, actually the location of the atoms will be changed. As I see it, his intention is similar to one who has a number of cages for elephants and shifts them to make sure that a mouse cannot get by. - As a matter of fact, all experiments on this theory made in the West failed. We are not able to influence gravity today.

But if one does not consider the type and development of gravity fields, the assumption of artificial gravity fields would explain all the reports completely:

- i. The high accelerations could not do any harm to the pilot, because the man would fall together with the vehicle, and would not be pressed to the back wall.
- ii. Also, the high speeds could be explained. In the fall, any speed can be reached up to the speed of light, provided that the influence of the gravity field lasts long enough.
- iii. The noiselessness could be explained as follows: Together with the UFO, the surrounding air is falling also, of course, but less the further it (the air) is away from it (the UFO). Further away from the UFO the air speed decreases, and as there is no sharp headwave and no air turbulence develops anywhere, no noise develops anywhere. It is the same as with large rivers with small slopes; for instance, the Amazon River in South America. There are speeds of up to five m/sec (does this m refer to metres? - VUFORS Eds.) in the center, and if one would build a pier there, the water would bluster and foam around it. But, as it is, the river flows completely noiselessly because the water speed is very low even at some distance from the bank and because of this low slope the increase of speed of flow toward the center is very small.
- iv. Further, it would explain how the disks can be placed one upon another to form an object the shape of a cigar. In this case, only one gravity field is necessary and the other screens can be saved.
- v. The shining could result from the change of the "Hemmstrahlen" (drive waves) into longer waves of light and electricity.
- vi. As these energies do not form vapor trails but on the contrary make holes through existing clouds, the missing vapor trails and the appearance of holes in clouds if a UFO flies through a cloud would be explained.

Pinkell went to Russia and there have been many who said that he found the solution to his problems there, and that the UFOs are now a Russian Secret Weapon. Also there is, in existence, an article which goes from hand to hand. It seems to be of Communist origin, and intends to make us afraid of Russia. There the Pinkell Theory is nearly explained intelligibly but in such a way that an engineer or physicist who doesn't know the Pinkell Theory from other sources has the impression that the questionable things would be clearer if properly explained.

The article says that Pinkell and Professor Gorjew in the Urals built UFOs with success, and an English spy brought the information to America. I want to say the following about this:

It should be seen that except Russia, several other countries could build UFOs by the same circumstances, and that there are reports from a time when Pinkell did not live. Just as man tries, there may (already) be beings on other planets who fly in outer space. I wish to point out that what I am presenting now is my own private opinion. I do not talk to you about this as the honorable president of GfW (?).

This Society decided to doubt all reports along with other similar astronomical federations in Innsbruck, August 1954, as long as there was not any specific proof for the existence of beings with human-like intelligence on other planets. I would like to name these beings "Uraniden" because they come from the sky as seen by us - in Gr. Lang. Uranos.

I attended this session (in Innsbruck), also, and did not contradict this decision. An association has to be careful with its publications and has to consider the effects on the public, and the IAF could only do harm to itself if it had confirmed the existence of Uranidens:

The people would think: "If we are not the first in space, is there any sense in using much money for space exploration, as it depends on the grace of the Uranides whether we may build space ships. Or, on the other hand, if the Uranides want us to undertake space travelling, wouldn't it be better to wait until they tell us how we should build our space ships simpler, cheaper and better?" If it would turn out that the assumption of the Uranides is in error (that they do not exist), the danger would exist that together with the UFOs, space travelling is wrong. Therefore, for instance, the implication of the "Stern" (a magazine) is not right when it says that I probably believe in UFOs to collect money for space exploration. On the contrary, my position today is that I am without a situation (job) and therefore am entirely free in saying my opinion. It is my obligation to inform the public and then to say what I think is most reasonable as far as I know. Should it turn out that my opinion is not right, this would be just one more error in my life! Man errs as long as he lives, and I believe that only a man does not make any mistake who doesn't think at all in his whole life.

I said: Except Russia, one has to assume beings from other worlds who also build UFOs. I do go one step further and state that Russia doesn't build UFOs. UFOs, rather, are exclusively of non-terrestrial origin. This is because of the following reasons:

- a) I already showed the difficulties of the Lewetzow-Pinkell Theory. I think if one wants to influence gravity, he has to use means we don't know yet.
- b) Secondly, Russia would not risk that the Americans fire on such a valuable vehicle and capture it. Think what such an invention means for air and space travelling! If the Russians would own such vehicles, it would be easy for them to build monster spy glasses in outer space which enlarge millions of times. At 42,100 km. above the center of the Earth, they would need exactly one day to circle the Earth and therefore would be suspended over the same terrain all the time. They could bring the surface of the Earth as close as if it were 40 meters distant (by ordinary sight), and fully do the job of spy flights over American cities and weapon manufacturing centers.
- c) To date there is no report of any emergency landing or crash of an UFO. This would be the first time in history for a newly built vehicle to have no failure, not to say that it is impossible. The first rocket engine already burned in 1929, which is the time Pinkell went to Russia. In 1942, only one of four large rockets had been launched successfully in Peemunde, and in 1944 still only 80% of the V2s reached their goal. 20% did not fire, exploded on their path, or went a wrong way. The invention of the car is older. Therefore, one who starts a car reaches his goal with more than 80% (chance of getting there). There are still various accidents even today.

The steam locomotive is much older. And it usually does not happen in Western Europe that a locomotive stops on its way because of mechanical difficulties. Firstly, they are really safer (than years ago); secondly, the necessary maintenance is provided which allows one to replace defective units continuously.

Together with the old reports, the security in the operation of UFOs indicates that it is an old invention.

- d) Russia was very exhausted in 1945, and the Allies had a very hard time getting on their feet again. Therefore it is so grateful (?) today. But they searched Russia at that time as thoroughly as they did Germany later on. And all Allied experts stated correspondingly that Pinkell worked on high frequency things, and they would have seen things if there would have been such (UFOs) in Magnitogorsk. Weighing all pros and cons, assuming Uranides (intelligent space people) seems to be the most reasonable to me. Until now I have only heard two objections which are worth being discussed:

First of all it is said that there are probably no inhabited planets. It is true only Mars (probably) bears life like we know it in our solar system. Some time ago I said that Mars would not have so much desert if the inhabitants would be very highly developed. This reasoning must not necessarily be right! As a farmer came into a city the first time 100 years ago, he asked himself how these people are living there because he didn't see dung-hills in front of any house. Please, it is the same logic. Deserts may be more valuable to them (the Martians) than green things.

But our solar system is not the only one existing. Our Milky Way includes 50 million suns as our one, and according to the latest astrophysical reports, more than 40% of it has planets like our planet. And there are 500 million milky way systems (galaxies).

Here one asked: "How long are the Uranides travelling from one milky way system to another?" Modern physics has a surprising answer: Time is a completely relative comprehension. Einstein already stated at the beginning of our century that one should be able to measure the movements of our Earth against an absolutely fixed point in space, if occurrences do not happen slower on moving bodies, and clocks go slower, also. The formula he developed is the following

$$t = \frac{t_0}{\sqrt{1 - \left(\frac{v}{c}\right)^2}}$$

if v is the speed of the space ship, c the speed of light t₀ is the time of occurrence at rest (no velocity), and t is the time that takes place on the space ship.

On our Earth the difference is not very large. v is 30 km/sec, c is 300,000 km/sec. v/c therefore is one ten-thousandth and (v/c)² would be 1/100,000,000.

This makes one second in two years. But astronomical watches could bring a proof. That there is no proof for it up to today speaks for Einstein's Theory. There have been many doubt about it; meanwhile, it is proved also with experiments. We can measure the speed and mass of electrically charged fast-moving particles, and if m₀ is the mass at rest and m its mass at the speed v, the formula is valid:

$$m = \frac{m_0}{\sqrt{1 - \left(\frac{v}{c}\right)^2}}$$

Assuming there are several heavy railway cars and I would be able to put the heaviest one in motion, it would take a longer time to do that with the larger one than with a smaller (lighter) one, which I would move immediately with the same amount of force. The time a force needs to put a body into motion is proportional to its mass. We now know from tests that the forces between atoms, electrons, and so on, do not depend on their speed (and mass), and if you therefore compare the two formulae, you can see that the first follows from the second formula. One can now observe electrons which have been accelerated in the cyclotron to an increase of mass up to 14 times, and if, for instance, a space ship could fly with this speed, its riders would become physically only one year older in a time of 14 years. They would not see or detect this difference on calendar watches, for instance, as these devices would move slower also. And if after all a space ship reaches the speed of light - and in case of building artificial gravity fields this would not be too far off - it could speed through space for hundreds of years with the astronauts not getting considerably older.

Another objection asks why the pilots of UFOs do not land and contact us. I would say that they do not need

I daily receive fifteen letters - if somebody among you is waiting for an answer, by the way, I beg him to excuse me for this reason. It is not my cranky intention that I cannot answer everybody. About one half of these letters deals with flying saucers and a large number have their origin in spiritualists, persons who are mediums, and others. Because there are still natural forces about which we do not know very much, some of which have been strictly denied by the official science sixty years ago. Their existence cannot be denied any more today, and several universities for parapsychology and psychology are searching for what is true about the reading of thoughts and foretelling the future, for instance. There are persons who sense such forces, and they claim that the UFOs really are operated by human-like beings who have already studied the parapsychological forces thoroughly, and are able to know what we think without speaking to us.

There are two reasons why I don't check these reports. Firstly, the searching of a parapsychologist is entirely different from that of a physicist. A physicist first takes the test results for granted; the parapsychologist, on the contrary, first of all has to check the reliability of his mediums and the circumstances under which one or another occurrence happened, which may influence the medium. Spiritually and healthy normal men are not mediums, in general. Mediums usually "have a crack" (there's something the matter with them mentally), which has an influence on their reliability. Therefore, also the psychologist and parapsychologist and others have to find out whether the medium just tells things due to damaged senses or not. I did not learn that, of course, and therefore turned the material over to a parapsychologist, as far as the writers agreed (?). Many write to keep their reports strictly secret - which works as if they had told it to a Catholic priest in Confession. By the way, also the parapsychologist asks me not to say his name because he is afraid of publicity, which he does not like. The second reason why I do not deal with parapsychology is simply that my colleagues then would say: "Now it is for sure that he has lost his mind". Now I am curious what he (the parapsychologist) WILL find.

There are further explanations for UFOs. I do not want to present them because they do not answer straightforward questions (for instance: their impulse results in electromagnetic forces) or one can get lost in areas where one can't prove anything - motivation from soul forces, levitation, only half-materialized discs, and so on.

This is what I can present to you about the present information we have. My opinions can be changed tomorrow by any new report. I just can say: From what I know today I would say in respect to the questionable 1/10 of unexplained (UFO) reports that the theory of Uranides (that they are operated by extraterrestrial beings) seems to be the most reasonable.

SOCIETY NOTICES

ELECTIONS:

Elections for office in the Society will be held during the Meeting on December 8th.

Nominations for the office of President, Vice President, Secretary, Treasurer and 3 Committeemen - signed by the candidate and proposer - should reach the Secretary by not later than Nov.24.

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PERSONAL COLUMN:

Given sufficient response, and interesting letters, we would like to include a personal column in The Bulletin. We would suggest that this column could be used for such things as airing your views, making suggestions, seeking information from The Committee or advising of personal research. This column could be most valuable to persons undertaking a line of research.

Letters to this column should be headed "Personal Column", and should include your name and address. If you do not want your name and address published, please advise.

x x x

PENFRIENDS:

As many of our members will have found, it is often difficult to find someone with whom a sensible discussion on UFOlogical matters can be conducted. Many of those about us are not interested in the subject and, while we want to talk seriously, they only want to joke about it. To help remedy this situation, it has been proposed that space be made in either The Bulletin or The Review so that we may include a penfriends column.

If you want a penfriend, send in your name and address (also age if a younger member) and any details of particular aspects that interest you. We will publish it in the first available issue, and any other interested member can correspond directly with you.

x x x