

SPACE

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S. P. A. C. E. (Saucer Phenomena and Celestial Enigma)

The Air Force says that it has no **PHYSICAL EVIDENCE** (physical meaning 'something you can touch') that such things even exist. In the words of Capt. Edward J. Ruppelt, retired, who served three years at Wright Field, Dayton, Ohio, as Chief Investigator for Project Bluebook **WHAT CONSTITUTES PROOF??** — Does a UFO have to land at the River Entrance to the Pentagon, near the Joint Chiefs of Staff offices? Or is it proof enough when a ground Radar Station detects a UFO, sends a Jet up to intercept it, the pilot sees it, and locks on with his Radar, only to have the UFO streak away at a phenomenal rate of speed? Which is **PROOF?**

May 1961

Bulletin No. 53

UFO reports have been scarce during the month of April, and we feel that this is due to the situation in which the world finds itself at the present time. Such reports fade into almost insignificance as we ponder on the fate of freedom loving peoples as the forces of evil continue their bold march forward over one country after another.

One thing we can be sure of, in the current world situation and that is,---that if we are going to solve it and evolve as a free world instead of a slave world, it will have to be done out of our own work, sweat and tears. No "salvation" is going to come to us handed on a silver platter by any "fairy god-mother", leading a flight of space ships from some other planet.

Many have been fooled and deluded into believing that such salvation is forthcoming. We feel that this is just one more plan in the "scheme of things" to make Americans apathetic and looking for a false hope, so they will not work hard at keeping themselves free by the use of their own talents.

Remember that whatever, or whoever is inside the UFO's have watched hundreds of wars and injustices on this planet and have not interfered in any of them to help justice triumph over the forces of evil. We are here to work out our own problems, fight our own enemies and to win our own battles. And if we are not willing to do this, to study psychological warfare, and counteract it, then we will have no one to blame but ourselves if we end up in slavery.

In 23 nations, a sad people are saying to each other---"If we had only known and recognized the enemy and his methods". **WAKE UP, America, while there is yet time!**

A new contact claim arrived in the mails during April, however, this one will require much more proof than a piece of "cake" to make

it hold up in court. So we pass this one on to you, not to vouch for it, but to inform you that such a claim has been made.

IT'S FLYING SAUCER CAKE

EAGLE RIVER, Wisconsin, April 22 -- (UPI) - Joe Simonton, a plumber who lives about four miles outside of this resort town, said today he carried a jug of water to three men who landed in his yard in a flying saucer, and was given three pieces of "flying saucer" cake in return.

Simonton, about 55, said he gave the cakes, 3 inches in diameter and perforated with little holes, to Vilas County Judge Frank Carter to turn over to authorities.

Simonton described the saucer as about 12 feet from top to bottom and about 30 feet in diameter. He said it was made from gleaming silver.

He said the saucer landed Tuesday, but he kept quiet about it because he was afraid of skeptical reactions.

The trio manning the craft, he said, were short --- about 5 feet and 125 pounds. They wore black uniforms and looked Italian.

Simonton said the ship stayed about five minutes, accomplished the swap of water for cakes, and flew off at a 45 degree angle with a swoosh that bowed nearby trees. (New York MIRROR, April 23, 1961, Credit Gladys Fusaro, Huntington, New York).

Well, we could use a little better proof than that, Mr. Simonton. That is always the problem, lack of evidence.

LONG ISLAND POLTERGEISTS STILL A MYSTERY

SEAFORD, L. I. - April 15, 1961 - Thirty-eight months have passed since mysterious happenings first occurred in a modest ranch house here, but passers-by still refer to it

as "that Herrmann home." Motorists occasionally stop in front of the home at 1648 Redwood Path, and speculate about what caused more than fifty objects reportedly to jump about, fly through the air and shatter, between Feb. 3 and March 10, 1958.

Despite the efforts of the police and a parapsychologist from Duke University, the mystery was not solved. The phenomena ceased as mysteriously as they had started.

Mrs. James E. Herrmann, who with her husband and two children, Lucille and Jimmy, had been concerned during the disturbances, said this week:

"What it was and why it happened to us, I don't know. We're grateful that it has stopped. It was a pretty harrowing experience. Some people suggested poltergeist, but you'd have to prove it to us. We think that it was something physical, rather than supernatural.

"Neighbors comment about the happenings every once in a while. They say that if we didn't do anything else, we put Seaford on the map." (New York TIMES, April 23, Credit Philip Moshcovitz, Chestnut Hill, Mass.)

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NEW LIGHT IS SHED ON MAMMOUTH MYTH

WASHINGTON (Science Service) -- The woolly mammoths discovered frozen in northern glaciers did not die from a catastrophic glacier sweeping down from the north as popularly believed.

The hulking mammoths that roamed Siberian tundras during a recent ice age probably died by accidental drowning and were later frozen, Columbia University geologist William R. Farrand reports in Science. The poor condition of most of the frozen giants shows that death did not occur quickly.

The popular myth that the woolly mammoths were frozen within a few hours by a huge glacier disregards all scientific facts, Dr. Farrand said. The number of frozen mammoths found, thirty-nine, compared to the probable total population of more than 50,000 (Ed. Note--I want to meet the man that counted them.) is about what scientists would expect from accidental burial.

Only four nearly complete frozen mammoths remains have been found despite many scientific explorations into the northern wastelands.

The preserved animals, probably drowned

in a lake or bog, or were buried alive by a river bank caving in when the mammoths strayed too close to the edge. Only the heavy-footed giants, the mammoth and the woolly rhinoceros, have been found in a frozen state, indicating a "normal and expected circumstance of life on the tundra," Dr. Farrand reported. (New York TIMES, April 23, 1961, Credit Philip Moshcovitz, Chestnut Hill, Mass.)

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"RADIOACTIVE" RACE OF PACIFIC NATIVES FOUND

WELLINGTON, New Zealand -- (Reuters) -- Scientists have discovered a "radioactive" race of natives on a volcanic Pacific island who could provide a key to man's ability to withstand the horrors of nuclear war.

Sir Ernest Marsden, chairman of the New Zealand defense science advisory council and a member of the New Zealand defense atomic energy committee, said today the inhabitants of Nui, one of the Ellice Islands, eat food 100 times more radioactive than other human beings.

The radioactivity, apparently, is natural and does not stem from any of the bomb tests held in the Pacific. Scientists said that in places the island was 20 times more radioactive than normal.

No explanation was given to account for the high natural radioactivity.

Biologists at Cambridge in England are working on material from the island, Marsden said, trying to find out what effect the high radiation level has on the people of the island.

"We have already discovered this environment has evolved a race more resistant to radioactivity," he said. "We are on the verge of interesting new discoveries."

The islanders have evolved by a process of "survival of the fittest". (This is always the case with nature.)

Stillbirths have reduced those unable to withstand the abnormally high radiation areas of the island, he added. (Minneapolis Star, April 10, 1961, Credit Jerome Clark, Canby, Minnesota.)

(Ed. Note)-- This should take the wind out of the sails of some of the pacifists, who constantly preach fear of atomic experimentation. These people are living fine lives, in spite of 100 times the normal radio-

activity, so it is not to be as feared as some quarters would scare us into believing.

And these same quarters also use the line, "I'd rather crawl all the way to Moscow, than to risk atomic war".

And there are another class of brave patriots, more reminiscent of the man who sent chills up and down the spines of every American for centuries, namely Nathan Hale, with his statement that "I regret that I have but one life to give for my country."

This class of patriots say, "I'd rather die on my feet, than to live on my knees."

And this might be an appropriate time in view of the world situation, to quote a passage from THE GATHERING STORM, written by Sir Winston Churchill, in the era prior to World War II.

"If you will not fight for the right when you can easily win without bloodshed; if you will not fight when your victory is sure and not too costly; you may come to the moment when you will have to fight with all the odds against you, and only a precarious chance of survival.

"There may be a worse case. You may have to fight when there is no hope of victory, because it is better to perish than to live as slaves."

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As we write this bulletin, Commander Alan B. Shepard has just become America's first SPACE MAN. We are not going to rerun all of this as you have already read it in your local newspapers. We are all extremely happy that this first effort with human cargo was a success. At least our first effort, about the Russians we do not know.

Their effort was not observed by a FREE PRESS, and if it were only a kingsize propaganda stunt it would surprise no one, as this would not be the first.

There are many in this country who feel this way, as voiced by Congressman Fulton of Pennsylvania:

SPACE GAP -- 30 DAYS

CAPE CANAVERAL - May 5, 1961 - Republican Congressman James Fulton of Pennsylvania said today's feat by astronaut Alan Shepard may mean the United States is "as little as a month" behind the Russians in space exploration. Fulton, a senior Republican on the House Space Committee, said he based this view on an absence of proof that Russian Yuri Gagarin made an orbital flight last April 12. Fulton said he thinks Gagarin actually made

an elongated ballistic flight, and that the Russians should produce proof to back up their claims that Gagarin actually orbited the earth. (Miami News, May 5, 1961)

And this same view seems to be well covered by Fr. Ginder, Associate Editor of THE SUNDAY VISITOR, of May 7, 1961, under the caption of:

FAIRY TALE FROM THE SOVIET UNION

I find it hard to understand all the excitement over the Russian Major Yuri Gagarin and his trip of April 12 into outer space.

Or was it April 12? It was reported by the London DAILY WORKER April 11, that the job had already been accomplished -- the fellow had orbited the world three times but had been injured on landing.

The lines had obviously gotten crossed somewhere and London embarrassed Moscow by releasing this particular item of science fiction 24 hours ahead of schedule.

But then the Russians do so often stumble over their own feet. Wasn't it the Polish satellite government that made the mistake of releasing that picture of the other side of the moon two years before it was taken?

They put it on a postage stamp. Back in October 1959, it was East Germany that jumped the gun with a premature announcement that Lunik II had hit the moon.

I was amazed, however, when not one of our American news services brought out the fact that the United States had beat the Russians with a man in outer space by almost eight months. The New York TIMES carried an account of this fact in the form of a letter from Mr. Henry Hazlitt, a contributing Editor of NATIONAL REVIEW, on Saturday, Aug. 27, 1960. Here is Mr. Hazlitt's own story of his adventure:

"On Aug. 17, two days before the Russians sent up the dogs, I was shot into orbit in a 12-ton space ship. After 17 revolutions around the earth I tilted my retro-rocket and landed safely within seven inches of a pre-selected target."

(Whereas the Soviet space ship circled the earth only once, ours completed 17 revolutions before turning in. This would mean that Mr. Hazlitt spent a total of 25 hours, 12 minutes and 36 seconds aloft. Note the precise character of the landing. Even so, American scientists are frantically at work trying to reduce that seven-inch margin of error.)

This means, says Mr. Hazlitt, "that I have

scored a first, ahead even of the Russian claims. Reasons of military security as well as my habit of secrecy prevent me from saying anything really informative about the mechanism of the satellite, or revealing the place from which I was shot into orbit or the place of landing, or any other such detail. Nor did I give out any advance notice of the intended time of the shot so that tracking stations could satisfy an idle curiosity. I may reveal, however, because of its extreme scientific interest, that my wife could distinctly see me through a television camera taking orange juice, toast and coffee."

"If either Russian or American scientists are malicious enough to ask for the evidence that this took place, they have my word, which is at least as good scientific evidence as an announcement by Tass. Besides, here is the clincher. I am alive and healthy, show no ill effects from my trip, and can be visited and photographed by skeptics.

(Mr. Hazlitt has already volunteered to collaborate with LIFE on an extended feature. This is expected to be informative and original treatment, with pictures of Mr. Hazlitt as an infant, Mr. Hazlitt starting school, Mr. Hazlitt kissing Mrs. Hazlitt, Mr. Hazlitt in his space suit, Mr. Hazlitt eating, sitting and standing, the Hazlitt children, the Hazlitt home, and a variety of other shots centering on our glorious astronaut. There will be a picture of the children in his class in the George Washington School of Mr. Hazlitt's home town hailing the achievement, sidewalk interviews with representative citizens of representative countries throughout the world, asking what they think of Soviet prestige in view of this latest development.

(It is expected that Soviet Russia will be given permission to use this feature for the information of the Russian people. Mr. Hazlitt, however, is a little doubtful concerning this last aspect, and even concerning the reception his achievement will receive in certain quarters of our own country. He says:

"No doubt the Russians, as usual, will ignore or belittle my achievement; but I confidently expect that the Americans will show their customary good sportsmanship, acknowledge that I have got ahead of them again, and wire their congratulations immediately, without waiting for so-called confirmation."

Every few months we find a new Communist falsehood reported almost sheepishly by the

American press and generally buried deep in the second section:

USSR CLAIMS RUSSIAN DISCOVERED AMERICA
PIOTROVSKI INVENTED TELEPHONE
RADAR DEVELOPED FIRST IN RUSSIA

They lied about the millions of peasants who died in the collectivization drive in 1932-33.

They lied about the Trials and Purges of 1936-39.

They bragged about a vast fleet of long-range bombers which we now know never existed.

Why should anyone believe this latest astronaut business so long as there is no means outside Russia of checking the facts?

First there is the confusion of dates.

We read glowing descriptions of the scenery as viewed from the space ship:

"When I emerged from the earth shadow the horizon seemed different. It had a bright-orange strip which resolved itself into blue, and again into pitch black."

Next, we read that there were no windows in the space ship. So how could he see the horizon? They tell us he used TV. But can anyone imagine a color TV set pulling in a picture as it bounces along at 285 miles a minute??

First we are told that Gagarin knew he had landed by the bump of his ship on the earth. Next we are told that he parachuted down.

It all sounds like another of those Russian fairy tales, another sequel to the Soviet "discovery" of America. And I feel sorry for the poor Russian "spaceman", for I have an idea that after this his day of glory he will abruptly disappear. He knows too much.

It all ties in with Russia's horror of any outside surveillance of armaments. They are probably afraid that someone may find out not what they do have, but rather what they don't have.

(And to the above, your Editor, might add the following question---"Why are our own leaders in high places always so ready to congratulate the enemy on his successes, when he produces no actual proof of his claims. Must we be "bluffed" always in this game of International Poker? We are in a war for survival - it's time we were on the offensive instead of always on the defensive, starting with OUR LEADER!)

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LUNA-TRICK "MONSTER" ON LOOSE?

May 2, 1961 - Los Angeles, California. Things happen at the full of the moon -- or do they?

Like what happened to Police Lt. L. D. Rottier Monday night.

Rottier, night watch commander of the 77th Police Division, had just gone on duty when a woman telephoned to report a "monster with a woman's face and the body of a dog" terrifying children in the neighborhood of 103rd and Grape Sts.

"I figured it was a crank or a practical joker," he said, "but for the next three hours similar calls kept coming in from that general area."

When patrols failed to locate a "monster", Rottier settled for a long look through the office window at the full moon. (Los Angeles EXAMINER, May 2, 1961, Credit Lela B. Johnson, Torrance, Calif.)

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Dr. Harold C. Urey, who has consistently, over the past 10 years, been making strong statements about the chances of intelligent life out in space has made another:

UREY BELIEVES LIFE MAY EXIST ON
MARS AND VENUS

MANKATO, Minn. -- The discovery of life on some other planet in our solar system would be the most significant scientific accomplishment of the century. Dr. Harold C. Urey, Nobel prize-winning chemist said here Thursday night.

He believes there may be life on two other planets in the system -- Mars and Venus.

While the possibility of life on Venus is fairly improbable, he said, recent findings concerning bacteria taken from oil wells makes it seem more likely.

Scientists at the Scripps Institute of Oceanography at La Jolla, California, he said have found bacteria living in oil wells, in temperatures and under conditions that possibly are no worse than found on the surface of Venus.

"If life can survive in the petroleum deposits laid down a hundred million years ago," he declared, "then we must admit that life can adapt to rigorous and strange conditions."

Talking informally after the lecture, he said that if the same set of conditions should ever exist on another planet the probability would be good that life would rise again.

It is Urey's belief that almost every

other single (not double) star among the billions in the universe has a planetary system. On some of these planets, he thinks, life would have arisen.

Even if intelligence existed, it would not necessarily result in a culture-building intelligence such as is possessed by man.

He is inclined to believe that our culture-building abilities arises from one facet of our intelligence -- an insatiable curiosity.

Despite the small amount of water on Mars (less than in the Sahara desert on the earth) he still believes there may be life there.

The changing color of certain parts of the planet, likened to the changing color of vegetation, is one of the principle reasons for this belief.

In a question and answer session after the lecture he expressed doubts about the so-called flying saucers being space ships operated by people from some other planet.

"But if they are," he said, "wouldn't it be wonderful? If they are, I'm not afraid of them. Let them come." (Minneapolis Star, May 5, 1961, Credit Jerome Clark, Canby, Minnesota.)

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Well, this seems to follow the theological view fairly close.

The Catholic magazine "America" recently carried an article by an associate editor, the Rev. L. C. McHugh expressing the view that "intelligent life is quite a common phenomena in the vast reaches of space."

Said the Jesuit Scholar, "organic life on earth evolved toward a specialized form that in God's design was apt material for the infusion of a spiritual soul, while at the same time, the lower forms were ordained to serve as a substratum for rational existence and its needs. Why should these things not be generally true in a physical universe characterized by uniformity of law and process."

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WATER ERUPTS IN FIJIS

SUVA, Fija, March 30, (AP) -- An underwater eruption is occurring in Savusavu Bay, off Venua Levu, second largest island in the Fiji group. Columns of water are being hurled 100 feet into the air. (BUFFALO EVENING NEWS, March 30, 1961, Credit Gladys Fusaro, Huntington, N.Y.)

DEFILERS DATE BACK 1800 YEARS

LONDON, Feb. 11 -- The "vile habit" of scribbling names on walls is quite an ancient

one, according to a fragment of a letter written in Egypt 1,800 years ago, which has turned up in the British Museum.

The writer described a journey up the Nile and speaks of "arriving at Syene, and at the spot whence the Nile happens to flow out, and at Libya where Ammon chants his oracles to all men." He adds:

"And I have learned things of good omen, and have engraved the names of my friends on the sanctuaries for a perpetual remembrance." (BUFFALO COURIER EXPRESS, Feb. 12, 1961, Credit Gladys Fusaro.)

Note: Like KILROY WAS HERE!

VAST SOLAR "WIND" FOUND IN SPACE

CAMBRIDGE, Mass., April 6 (AP) -- A space probe sent aloft from Cape Canaveral, Fla. last week revealed the existence of a great solar wind sweeping outward from the sun into space at millions of miles an hour.

This was disclosed by MIT scientists who conducted the experiment. The so-called solar wind, they suggested, could provide the power for future space vehicles. They said they believe it is the result of evaporation of burning gases from the sun. (Buffalo EVENING NEWS, Credit Gladys Fusaro, Huntington, N.Y.)

RUSSIANS HAVE "CONTACTERS" TOO

Reports coming out of Russia indicate that the flying saucer "contact cult" fad has caught on, despite attempts to discourage such activities by the government. It would appear according to the information, that quite a number of landings and near landings have taken place in the last 8 months. The cultists (after all - this is a common phenomena in itself) seem to manifest themselves as soon as the opportunity presents itself, and Russia is no exception. It may be that a lot of Russians are looking for a salvation of sorts, also. (Credit APRO, Tucson, Ariz.)

NOTE: Could be also that they are looking, the bosses that is, for another advantage in the psychological warfare department, by announcing first that the UFO's are from other planets.

And if this happens, we have no one to blame but ourselves. This writer and many others in the UFO field have warned repeatedly that with our current attitude, we are laying ourselves wide open for that possibility. So far our pleas and warnings have

gone unheeded.

THE CRAFT FROM OUTER SPACE

-By Robert J. Gribble

Ninety five percent of the "contact" books contain information which, the authors claim comes direct from the non-terrestrials. The information is so fantastic and ridiculous that it is a mystery in itself how any publisher would print it, let alone anyone believing it. Yet thousands of people believe it because this is what appeals to them in the form of an acceptable answer to their questions.

As an example, the question of why the aliens are here has resulted in the publication of a carload of different answers -- all of them sugar-coated. The believers of these tales blindly accept answers such as: The aliens are here to save us from war by stopping it before it gets started; the aliens are here to save us from great earthquakes which will precede a great change in the topography of our planet.

The slaughter of 31,000 American men in the Korean war discounts the no war dream, even though non-terrestrial spacecraft were seen in great numbers over the Korean battlefront during that conflict. The aliens have made no attempt to evacuate areas which they apparently knew were going to be hit by a violent earthquake. The loss of life in the recent earthquakes in Iran, North Africa, Chile and the state of Montana would hardly give support to the so-called messages from the beings from other planets, that they would save everyone from such a horrible fate even though all the effected areas reported spacecraft activity before the quakes hit.

To date, there is not so much as a shred of evidence to support the theory that the aliens are here to save us from anything. There is, however, a mountain of evidence that they are here on a "defensive mission".

It appears they will let us carry on our wars as long as they do not threaten the planet. Their interest in the earthquakes would indicate that they are interested in the stability of our planet which is in orbit with other planets -- possibly the aliens home ports.

Those who peddle fantastic tales of sugar and spice and everything nice about the non-terrestrials, are leading thousands of good people down the road to great disappointment. Someday, the believers of all this fiction will have to accept the truth. Then what?

Rest assured, they, the non-terrestrial beings, are here to take any action necessary to prevent our endangering them. (Credit Robert J. Gribble, Editor of INTER-PLANETARY, 5108 Findlay St., Seattle, Wash.)

Note: And to Mr. Gribble's Editorial we can only add ---- AMEN!

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HUMAN OR INHUMAN? - By Leslie Smith
"UNSAFE" PLANES DELIVERED WITHOUT NUTS
AND BOLTS

Lockheed Aircraft Corp. of Burbank, Calif. has paid \$6,000 in fines for delivering to three airlines a number of Electra planes that had been so inadequately inspected they were considered unsafe.

Eastern Airlines, inspecting two of the jets last April some weeks after their delivery, found an industrial-type vacuum cleaner in the fuel tank of one plane... In the fuel tank of another they found a rivet squeeze gun, 20 screws, and a piece of a paper cup.

American Airlines inspected 34 Electras last March and April, found instances in 14 of the planes of missing bolts, bolts of improper length and bolts that had worked loose.

Western Air Lines in October 1959 found trash in the left wing area of an Electra after Lockheed had conducted a major wing inspection. Western's inspection of another Electra last April disclosed cracks in a wing section ranging in length from 4½ to 33 inches and a sealing compound in some of the cracks. End of quote.

I have been accused many times of being "too particular" on a job with the ensuing remark, "Why worry, it isn't that important". If this is a person's attitude, it can become a habit. A badly put-together airplane may mean lives, but would a person such as I've mentioned give it sufficient thought and change his basic attitude? How many perfectionists are there? And even they aren't infallible.

Inspectors, I imagine, are screened, but humans being what they are, perhaps the screeners aren't particular enough. Who screens the screeners?

So in a month or a year, we hear about another plane crash. Some UFO investigators are too quickly inclined to blame a crash where a plane appears to fall apart in the air and there is no immediate explanation, on extra-terrestrial origin or some natural element generated in the air by too much

radioactivity. Perhaps these can't be discounted entirely, but how about the human element?

If you find this hard to believe, visit one of your larger airports and inspect the engines of a trans-continental plane such as Vanguard, Britannia or a Boeing 707. A few months ago a million dollar missile blew up because of a faulty 25¢ part. It takes many, many imperfect people to put one very complicated machine together and inspect it from the time it leaves on its first commercial flight.

Air accidents are due to that human element much more than we would like to admit. (Credit SAUCERS, SPACE AND SCIENCE, GENE DUPLANTIER, Editor, 125 Woodycrest Avenue, Toronto 6, CANADA).

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UFO FROM MARS -- By Verne Frese

Mars is our best known planet and yet a planet of mystery. Its surface features are at the limit of our visibility. We think we see "canals", and once a flash and cloud like an A bomb blast were seen. Another time a great "W" shaped cloud was visible.

There have been many such speculation arousing observations. Mars apparently has no heavy core like the earth but is silicate rock all the way to the center. Mars has no high mountains, either earth type or moon type. Mars is only 1/10th the mass of the earth and a 100 lb. object (earth weight) would weigh only 38 pounds on Mars. The air is very thin, about like the top of Mount Everest on Earth, and there is no detectable oxygen. (Contrary to popular belief, the spectroscope can detect elements in the atmosphere of other planets through our atmosphere. This is accomplished by the "doeppler shift" which definitely separates the terrestrial emission lines from those of the extra-terrestrial object under consideration.)

In spite of the rigorous conditions life is possible on Mars, although men like us could not exist there without considerable adaptation or mechanical help.

The two moons of Mars look suspiciously like silvery metallic spheres and are at ideal distance from the planet to use as "stepping stones" to space. They do seem much larger than needed for mere space stations and it seems more likely that they would be occupied by a rather large population. Deimos is about 15 miles in diameter and if it were hollow would have a volume of about 1750 cubic miles. Allowing space of

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10 ft. by 20 ft. by 20 ft. for each person, it would house about 65 million people.

This little calculation is enough to show that the moons of Mars could possibly support a population that would be capable of building and maintaining a fleet of space ships adequate to explain the sightings on earth. This of course, still leaves many unanswered questions. (Ed. Note - doesn't it?) (Credit APRA Bulletin, 11323 - 14 Ave. N.E., Seattle, Washington).

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BIG WATER SUPPLY BELIEVED ON MOON

-By Walter Sullivan

WASHINGTON, April 19 -- A Cornell scientist said today he believed there was extensive water on the moon.

Dr. Thomas Gold is director of the University's new center for Radio Physics and Space Research. He expressed the belief that the lunar water was shielded from evaporation by a layer of ice at a shallow depth.

In some places, he said, water or ice may lie only 100 feet below the surface, making it accessible to a manned scientific station on the moon. He suggested that sunlight might have converted silicate dust on the moon's surface into cement-like substances, which would provide expeditions with ample building material.

His views were presented at the first of several meetings on the planetary sciences, co-arranged by the American Physical Society as part of the annual meeting of the American Geophysical Union.

Dr. Gold's hypothesis depends on the existence of sufficient heat on the moon to liberate water vapor from rocks.

One skeptic said the moon could not generate much water because it was dead and too cold. He conceded, however, that the Soviet observations of a lunar "eruption" in November 1958, was now widely accepted.

Dr. Nikolai Kozyrev, Soviet specialist in the spectroscopic analysis of light reported then that he had seen, within a lunar crater, a flash typical of glowing carbon. However, there is little evidence of extensive volcanic activity at present.

Volcanoes on earth "cook" water out of rocks, releasing clouds of steam. A similar process on the moon, fired by the heat of radioactivity in the deep interior, would send water vapor seeping toward the surface.

As it entered cooler layers, it would condense and, at a depth of perhaps a half mile freeze, filling all the interstices and cavities in the rock at that level.

This accumulation of ice at a fixed layer would eventually seal water vapor that might otherwise escape, Dr. Gold said, and further loss of water from the moon would be slight.

The general view has been that the moon is waterless. Its gravity is considered too weak to retain an atmosphere of water vapor or other light gasses.

Dr. Gold showed high-definition photographs of lunar craters taken by French observatories. He pointed to domes on crater floors that, he said, could have been produced where water pressure had forced a bulge in the hypothetical ice layer.

(New York TIMES, April 20, 1961 -- Credit Dorothy Lefler, Cincinnati, Ohio).

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