

Minnesota MUFON Journal

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Directors Report

Is the End Near?

By William I. McNeff

You've all seen the cartoons that show an old man, usually with a beard, bearing a sign that says "The End Is Near!" These cartoons are talking about the end of the world, but I am asking the question, "Is the end of government secrecy about UFOs/ETs near?"

At the end of the MUFON 2000 Symposium, there was a panel composed of all the speakers. During the panel, this question was asked of the speakers: "In your opinion, what will happen with ufology in the near future?" The issue of government secrecy was prominent among the answers. Below are the panelists' responses, slightly paraphrased in some cases:

Bruce Maccabee: The government is not going to say anything; everything will go along as it has been. We will have better data collection and better data banks. Only a few thousand people in the U.S. are really concerned with UFOs.

Stan Friedman: I will be helping on a program called "The Cosmic Cover-up". We need some big media organization to look at UFOs. The government may give their interpretation of the Ramey memo in the near future [to counter ufologists interpretations].

John Carpenter: I think the Internet is improving communications about abductions and in general. I'll be on ufocommunity.com also.

Stan Gordon: I see more and more availability of good data, faster communications. There are lots of places in the country where there is a good hot-line locally.

Jerry Rowles: Ufology is becoming more and more an accepted form of science. We must maintain a strict discipline of scientific methodology. We need cooperation at all levels. [Jerry told how he has an excellent relationship with the FAA, something I didn't think was possible, since the FAA seems to have a role in helping the government keep some UFO reports secret.--WIM]

John Greenwald: I'd like to think the government would acknowledge [the existence of UFOs] but don't expect this soon..

Linda Corley: I agree with Dr. Maccabee and John Greenwald [no government acknowledgment soon].

Greg Avery: The atmosphere is changing - there are more breaks in the dam - in the middle there are people who are hungry for information, buying books, studying. Kids are very aware. I go to a restaurant, and 13 and 14 year old girls say, "Mr. Avery, what's new with UFOs?" Yesterday's government file clerk kept secrets, but today's may not.

Minnesota Mufon Meetings

Sat., Sept. 9th
&
Sat., Oct. 14th
1:30-4:45pm

Roseville Community Center
2800 Arona Street, Roseville,
MN 651-415-2100

(See article on location
change on page 11.)

PARK FREE!

The building is designated as
non-smoking.

See map on back cover

Note: This building has no
special security or elevators,
so you can come and go as
you please and smoke
outdoors, providing more
freedom than the old location.



Kevin Randle: I want to talk about where we ought to go. We make mistakes - there is no accreditation for Ufologists - anyone can claim to be one. We need a high level of scientific standards.

Dr. Robert Wood: I believe we will have a higher level of scientific standards. We must get the provenance trail of these documents, then we can convince the public.

John Schuessler: We are dealing with a world that is changing so fast - organizations are going down - people don't feel they need them - we'll have trouble getting people to join and help. People and ufologists don't want to work together, all want to do it their way and have their own opinion. Lack of unity is killing us. The UN has the same trouble, but they do work together to make some things happen. We are too stuck in proving nay-sayers wrong. The UFO Coalition is putting together research proposals -- these will happen.

Recently there was an article in the Boston Globe on the French COMETA report, in which high French military and government officials say that UFOs should be taken very seriously. Joe Dundovic forwarded a copy of the article to several MUFON members, including Jerome Clark, well known ufologist. Clark wrote back:

"I first heard about the French report last May, when a French aviation journalist involved with its formation told some of us (including Tom Tulien) about it in Chicago, where we had convened to found the Sign Historical Group.

A prediction, made with reluctance but with the conviction born of long, sad experience in these things: The report will have no impact whatever. Opposition to UFO research is too entrenched, and it will take another generation of scientists, et al., to take up the question. You and I won't be around when that happens."

Joe invited further comment on Clark's prediction. In reply I wrote: "I am more optimistic. It seems to me that "UFOs are bustin' out all over." Unless the Boston Globe is another "scandal sheet tabloid", this is quite a breakthrough. There is a steady stream of more-or-less serious TV programs taking good looks at the subject. Astronauts are speaking out. Michael Lindemann thinks the lid is going to come off in the near future. Time will tell."

Joe invited further comment. Jerry Clark replied: "If I had a nickel for every time I've heard that "the lid is going to come off in the near future," I'd be a rich man. That lovely belief, as I know from my historical work on

ufology, has been around since the late 1940s. Actually, it started within days of the Arnold sighting. The Boston Globe piece, by the way, was written by a freelancer, not a staff reporter. That gives it less impact in the eyes of other media.

Of course I would love to be wrong, but sad to say, I don't think so. Maybe, in the interests of attaining that lost wealth, I should start taking bets."

Jerry Clark agrees with the majority of ufologists and is probably right. But since I am writing this article, I get to have the last word. We have it on reliable authority that "All secrets will be revealed." Certainly, the secrets involving the UFO subject will be revealed someday. How soon that happens depends on future events, the actions of people and perhaps ETs. As more information is brought to the attention of the public, through the efforts of ufologists (many of whom are scientists) and the mass media, pressure will increase on all elements of the government to reveal more. We now have George W. Bush on the record promising to tell us about UFOs. Referring to UFOs, on July 28, 2000, Charles A. Huffer, MUFON State Section Director, said to Bush: "Half the public believes that they are real. Would you finally tell us what the hell is going on?" Bush replied, "Sure, I will." This was recorded by CNN. (There was more to the exchange; see Filer's Files for August 7, 2000.) Of course, politicians have been known to make promises that they later did not or could not keep. And there seem to be limits to what even a President can do. Webster Hubbell in his book tells how President Clinton asked him to look into the UFO subject. Hubbell was completely stone-walled on this by the agencies he contacted.

During the MUFON Symposium, Mike Segal, who has replaced Art Bell as the M.C. of the "Coast-to-Coast" radio show, spoke briefly to the group. He told us he is planning to hold a conference, including the members of the French COMETA group, Dr. Steven Greer's group, and all of the other UFO research organizations "to put all of the UFO material on the table" and "put the government on the defensive." However, COMETA in its report suggests that the European Union undertake diplomatic action with the United States "exerting useful pressure to clarify this crucial issue which must fall within the scope of political and strategic alliances." So they may not want to take part in what might be called a "media blitz".

But a media blitz may be coming anyway. As we noted in the last newsletter, on 12 June 2000 Dr. Steven Greer announced that a program to disclose definitive evidence and proof regarding extraterrestrial intelligence, UFOs and covert government projects

related to the subject has been funded and launched. Disclosure News Programming (DNP), an investigative reporting news organization, has been formed to spearhead and coordinate this disclosure over the next year. The program will include a prolonged, sustained and coordinated multimedia global release of definitive evidence. The fact that Dr. Greer is not asking the public for any money for this lends credibility to his announcement. Stay tuned.

Chemist obtains UFO secrets

<http://www.cosmiverse.com/paranormal060602.html>

June 6, 2000 07:04 CDT

Staff Writer Sally Suddock

A Wales, UK, chemist has apparently pierced Britain's government secrecy on reported UFO sightings, said the London Observer over the weekend.

In an article distributed by the Observer's news service, author Antony Barnett says a British government ombudsman intervened to enable Wales chemist Colin Ridyard to receive two reports of UFO encounters in 1999 from "a little-known department in the ministry known as Secretariat (Air Staff) 2a, the secretive section which collates reports of unidentified flying objects that cross British airspace."

Barnett said the British government "has traditionally treated reports of UFO sightings as highly classified and only released information to the public after 30 years." Ridyard had asked the Ministry of Defense for information relating to UFO reports by pilots or radar between July, 1998 and July, 1999. The ministry refused until parliamentary ombudsman Michael Buckley urged them to do so.

And while Ridyard received two reports, the Observer said the British Civil Aviation Authority (CAA) has additional sightings reports that Defense did not disclose.

Even so, the two reports Ridyard received recount high-speed objects, one flying over the Midlands region in late 1998, described as an aircraft with "very bright strobe lights flashing once every 20 seconds." It was reported by a commercial pilot.

The other report, from Feb. 15, 1999, came from an air traffic controller in Scotland, who noticed "something strange on his radar screen," said the Observer. "A bright blip on his screen suggested there was a very large object traveling at 3,000 mph over the Scottish coastline heading southwest. The size of the blip suggested the object was 10 miles long and two miles

wide. Two minutes later, the object disappeared." That same month, according to CAA reports, a pilot flying over the North Sea was "startled when his aircraft became illuminated by and incandescent light, with three other aircraft in the area (also) reported seeing a ball of light moving at high speed." No air traffic radar picked up the object, but five minutes later, a weather station did on its radar.

And another incident reported by the CAA to the Defense Ministry in June, 1999 involved a Boeing 757 jet pilot's report of an unidentified military looking aircraft over the North Sea, with no targets reported either by the 757's or air traffic controllers' radar.

"This is not about little green men, but about freedom of information," Ridyard told the Observer. "It is clear that there are many strange incidents that happen in the British skies that are kept secret. There may be issues of aircraft safety or natural phenomena, but by keeping this information secret these incidents cannot be scrutinized by the public or the scientific community."

New Evidence Supports Reality of the Majestic Program

by Ryan Wood & Dr. Bob Wood
Majestic Document Investigators

REDWOOD CITY, California, July 26, 2000 - Confirmed at the Truman Presidential library, subtle facts provide more evidence for the reality of the Majestic-12 program. A sampling of documents and relevant abstracts are posted at: www.majesticdocuments.com

These documents support the contention that a secret, high level investigation into flying saucers took place in 1948. Psychological Strategy Board documents show linkages to presidential briefings on UFOs accomplished with the weekly CIA Current Intelligence Review. For a more complete summary visit: www.majesticdocuments.com/documents/archives/trumanarchives.html

Coming soon will be even more compelling evidence for the New Mexico crash events of 1947 from the Truman Archive: namely, the lack of telephone records from the White House for July 4th, 5th and 6th, 1947 and a meeting with Carl. A. Hatch, Senator from New Mexico on July 9th. I wonder what they talked about?

For those eager for freshly leaked Majestic-12 material, below is a link to two papers. First, an "Intelligence Estimate for Truman on Unidentified Aircraft Sightings Over the US" dated September 30, 1947, and second, a "Flying Saucer Analytical Report," prepared by the

Research and Development Laboratory on 2 September, 1947, of the Air Materiel Command (AMC). Both are classified Top Secret Eyes Only. Download at: www.majesticdocuments.com/documents/acrobatversion98.html

Also posted to www.majesticdocuments.com is the full text of the paper titled "Validating the New Majestic Documents," presented at 2000 Mutual UFO Conference in St. Louis, Missouri. The paper covers many of the essential reasons the Majestic-12 program is real, along with responses to criticisms and anachronisms. Download the complete paper in .pdf format at: www.majesticdocuments.com/authentication.html

The core Majestic documents can be purchased for \$18 or downloaded from the website. The CDROM - "The Secret" offers a complete multimedia presentation with voice-over along with original and replica documents, an outstanding value at \$16.

Anti-Gravity secrets revealed by Brazilian Physics Professor

by Tony Craddock, webmaster@cseti.org

In an amazing series of theoretical papers released this year, physics professor Fran De Aquino of Maranhao State University in Brazil has theoretically shown how to produce anti-gravity, and has successfully demonstrated the results on the lab bench with a device that he has built. And in two more papers released in the last month, he shows how to build a 215 HP motor powered solely by gravity using the principles he has already demonstrated, plus he provides a theoretical basis for unification of the gravitational and electromagnetic forces.

In private email, Prof. De Aquino advises that his first paper was peer-reviewed by 36 scientists around the world, and that everything is rigorously correct. A Nobel prize-winner also adds his endorsement.

The papers are also carried on the Los Alamos National Laboratory Website, and Prof. De Aquino advises that he has just been awarded a \$600,000 grant from the US Department of Energy to validate his, and parallel, Soviet work. All these papers, which include the plans for the Gravity Motor and the Anti-Gravity Disc, can be downloaded from the CSETI Website (follow the Link from the Front Page).

The implications of all this for transportation and the biosphere are obvious. CSETI: <http://www.cseti.org>

MORE on ANTI-GRAVITY:

BAe's anti-gravity research braves X-Files ridicule

James Meek, science correspondent

http://www.newsunlimited.co.uk/uk_news/story/0.3604.151331.00.html

Monday March 27, 2000

MAX: There are scientists in Finland who say that they've detected antigravity over the surface of a spinning superconducting disc. (He laughs.)...
- X-Files episode, March 1997

The cameo appearance in the TV sci-fi series of the "gravity shielding" experiments of the Finland-based Russian scientist Yevgeny Podkletnov summed up the reaction of the physics world to his work: it belonged in the realm of fantasy.

But not everyone sneered. The military wing of the hi-tech conglomerate BAe Systems took the Podkletnov experiment so seriously that it has launched an anti-gravity research programme, Project Greenglow. If the technology could be made to work it would make existing forms of transport obsolete.

BAe last week confirmed that the project, led by the mathematician Ron Evans, existed but would give no further details. Like many of the few scientists around the world exploring gravity shields and gravity beams, Dr Evans is believed to be fearful of ridicule. The cold fusion debacle, when scientists' claims to have created a solution to the world's energy problems in a lab flask were discredited, casts a long shadow.

Dr Evans, at BAe's stealth and electronic warfare department at Warton, Lancashire, is understood to be working with scientists at Lancaster University. There is a sparse website, www.greenglow.co.uk, which describes the project as "a speculative research programme - the beginning of an adventure which other enthusiastic scientists from academia, government and industry might like to join, particularly those who believe that the gravitational field is not restricted to passivity."

In 1996 Dr Podkletnov claimed to have discovered a way to shield objects from gravity by placing them over a superconducting disc which, in turn, rotated above powerful electromagnets.

His findings were to be published in a British physics journal, but news leaked out and, after press stories that scientists had made an anti-gravity device, he was booed by peers who accused him of breaking the laws of physics. He withdrew his paper and went into a huff.

The university that had sponsored him, in Tampere, Finland, withdrew its support, and he has returned to Russia.

But the notion of a machine that could gently lift objects - people, freighters, spacecraft - with a hum of electricity gripped some people. A few serious scientists and engineers have been trying to reproduce Dr. Podkletnov's results.

This month he slipped into Britain to give a lecture at Sheffield University, where he claimed that the latest Russian gravity shielding experiments had made objects 5% lighter, compared with 2% in the Finnish study.

Pioneering Astronaut Sees UFO Cover-up By Leonard David, Senior Space Writer,

http://www.space.com/news/spaceagencies/gordon_ufos_000728.html 30 July 2000

WASHINGTON -- One of America's first astronauts claims that the government has withheld information that alien spacecraft have visited Earth. Leroy Gordon "Gordo" Cooper Jr. says the government has "swept under the rug" the truth about unidentified flying objects or UFOs.

"Each administration has probably tried to figure out how, with the least embarrassment, they could confess to this whole thing," he said at a recent appearance in Washington to promote his new book, *Leap of Faith: An Astronaut's Journey in the Unknown* (HarperCollins Publishers, \$25).

"They need to clean the slate about what has been going on or has not been going on," he said.

In space for a day

Cooper, 72, was one of the original Mercury Seven picked by NASA in 1959. The last of the Mercury astronauts to be lofted into space, Cooper was blasted into orbit atop an Atlas rocket in May 1963. He circled Earth for 22 orbits in his Faith 7 capsule, becoming the first American to stay in space for a day.

Cooper returned to space in August 1965 with the late Pete Conrad on the Gemini 5 mission. After retiring from NASA in 1970, he went to work for Disney as a vice-president for research and development. He later worked as a high-tech consultant and aircraft designer.

Since 1989, he has been a partner in an aeronautical design firm in Van Nuys, California. Now a retired Air Force colonel living in Los Angeles, he is campaigning

to have the government open the books on UFO research.

Charges of cover-up

"There certainly have been too many people, very qualified people and qualified groups of people, that have had interface of one type or another with extraterrestrial craft or beings," Cooper said. "To really deny that something is going on and deny that they definitely exist ... we need a little more explanation." Government officials say there is nothing to cover up about UFOs. ©2000 SPACE.com, inc. ALL RIGHTS RESERVED.

Aliens and the Human Soul: An Allegory by Eve Lorgen © 2000

<http://alienlovebite.com/allegory.htm>

Can aliens or the demonic forces working behind them take our souls from us?

There is great concern amongst Christians whether the alien abduction phenomena is inherently demonic. And if so, what does that mean for the souls of abductees? To address this controversial issue, we need to arm ourselves with the knowledge of God, and realize our true relationship to the divine, as humans. To create an analogy of the alien abduction process let me provide an allegory:

A thief has crept in our house unawares, while we are sleeping. The thief has scouted the house out for quite some time, even generations, taking note of our most valuable possessions. Our library collection is targeted, as is our water supply. The thief's ultimate prize is the living waters inside the house. The library contains knowledge fit for a King. A powerful King who has legions of armies at his command. The water supply keeps the dweller healthy and alive, unless of course, it becomes contaminated and eventually shut off--or damned up for the robbers hijacking operation.

The robbers infect the library with counterfeit doctrines, so that confusion reigns and the dweller forgets that he is the son of a great King. In fact, he believes that Kings and Queens are a thing of the past, even blasphemous. After all, one of his counterfeit books told him so, & furthermore, when the dweller awoke from time to time from a nightmare about getting his house ransacked, he disregarded the dream with trendy psychobabble, or perhaps that pizza he ate last night.

The thief is laughing his head off, because the dweller's house has now been thoroughly bugged. The robber is a professional liar and hit man. He won't ransack the

house all at once. Instead, he will secure his target while he is sleeping, lock into place his implants and siphoning devices, then sit back and allow his sleeping target to produce purified water for him. Why? Because the thief polluted his own water supply, by damning it up until it became completely contaminated and unfit for life. As long as the dweller remains asleep, confused and locked into place, the thief has complete control over him. Even if the dweller awakens, he realizes he is in occupied territory of the enemy. Resistance is met with severe punishment. Unless of course, the dweller cleans out his library, studies his true Kings history and realizes his inheritance.

Sometimes a parable is the best method to get a point across. At the same time, once we awaken to the reality of being in "enemy occupied territory" we need assistance in reclaiming our own waters of life. One point I'd like to get across is that today, many of our own people-- even believers have been born into occupied territory. Because the enemy and his pawns have exchanged the truth for a lie for such a long time, the people in occupied territory do not even know their true history or the state of bondage they are in. Their condition of ignorance is so great they do not realize there is a better world outside of their "Drug Lord" occupied neighborhood. Entire doctrines and belief systems have been created to explain and justify the quality of life in the "Hood." Doctrines replete with necessary suffering, powerlessness, separation from God and the notion that true love is an illusion. And so on and so forth.

Becoming free from the clutches of the Drug Lords is a step by step process that can be achieved even in the worst of neighborhoods. The strategy of becoming a free King and Queen is still within our grasp as long as we stay a human connected to our true life source, God.

In spiritual allegorical terms the first step is to awaken to "The Song of Solomon." The Beloved King comes as a Shepherd in disguise. We are to be married to Him - become One with Him. But we cannot meet him until we awaken and break free from the watchmen and guardsmen of the city. The watchmen are the agents of the counterfeit spirit, the alien collective hive mind, the robbers of our soul.

Parables are lovely, but what we need now for those in occupied territory of alien abductions and mind control are specifics. In my next article I will address a step by step process of unlinking from the strongholds of the counterfeit spirit. Those who have undergone deliverance from alien manipulation and mind control can best describe their strategy. It is important to note

here that knowledge of the truth must be sought after with diligence.

Breaking free of the alien menace is a process that can span many years, perhaps generations. We are all in occupied territory of the enemy (Satan's world) not just victims of mind control and abductions. As long as we heed the warnings of our Beloved, we have hope in regaining our birthright.

Source: New Scientist

<http://www.celestcom.com/Gateway>

February 5, 2000.

Backwards to the Future

In a distant galaxy, a star unexplodes. Just moments ago a shell of tortured matter was flying together at 30 000 kilometres a second. Now it has become a star, and the last shreds of glowing debris are being sucked in. With the explosion undone, the star begins the long journey back to the time when it will be unborn into the gas and dust of an interstellar cloud.

Is someone running the film backwards for comic effect? Not necessarily. In a paper published in the last week of 1999, Lawrence Schulman of Clarkson University in Potsdam, New York dropped a bombshell. He showed that regions where time flows in the normal direction can coexist with regions where it flows backwards. There could be places, perhaps even within our Galaxy, where stars unexplode, eggs unbreak and living things grow younger with every second.

To understand how time could run backwards, you need to understand why it has a preferred direction at all. The equations of physics say that particles of matter don't care what direction time runs in: any interaction between two particles could happen just as easily in reverse. (Some nuclear interactions do show a small bias, but no one has found a way to turn this into an arrow of time.)

But when you have a lot of particles instead of just two, things change. Messy, disordered states tend to develop from tidier ones. This tendency is called the thermodynamic arrow of time. Physicists say that entropy--a measure of disorder--always increases. "It's easy to break an egg, difficult or impossible to put the pieces back together," says Schulman.

Say the air in a large room is confined in a 1-metre cube in one corner, then released. It is perfectly possible that, after five minutes, the air molecules will all be back in the same 1-metre cube.

Perfectly possible but hugely improbable, because there are far more ways to arrange the individual molecules when they are spread out than when they are confined. In fact, the most disordered state--in which the air molecules are spread more or less evenly throughout the room--can be achieved in far more ways than any other state. "This is the second law of thermodynamics," says Schulman, "which seals the fate of Humpty Dumpty."

However, argues Schulman, a reverse arrow is perfectly possible: "It's all down to the 'boundary conditions'--the external constraints imposed on the system." In the room, the air has to be in the 1-metre cube only at the start of the five-minute period. There is no constraint on it at the end of the five minutes--the system can find its own final state.

But say a final condition is imposed. After five minutes, the air molecules have to be back in the 1-metre cube. On Earth, this is clearly an artificial situation. But for Schulman, it is perfectly legitimate to consider such a state of affairs. "There is no reason in principle why the Universe might not have a future boundary condition imposed on it," he says.

The future condition would constrain the molecules to follow only a tiny subset of trajectories, ending up in the 1-metre cube. From our point of view, time would be running backwards.

But there's an objection to having forward and backward time regions in the same universe. Surely the arrow of a reverse-time region would be wiped out by the slightest interaction with a normal-time region, leaving a completely disordered system with no arrow at all?

Imagine a game of snooker in which the triangle of red balls is struck by the cue ball and scattered around the table. Now imagine the reverse-time scenario. For the balls to follow the precise trajectories necessary to finish in a triangle will take a monumental amount of coordination. The slightest disturbance will spoil it. Any interaction with a region with normal time--for instance, the smallest cry of amazement from someone watching--could vibrate the air, nudge the balls and wreck everything. So the backward arrow of a reverse-time region would be instantly destroyed by any interaction with a normal-time region.

Schulman sees a flaw in this idea. The two systems are on an equal footing, so the reverse-time region is as likely to destroy the arrow of the normal-time region as vice versa. "All we can say is that if the two regions interact their arrows will either both be destroyed or both survive."

Most physicists would have put good money on the former possibility. But Schulman's startling conclusion is that as long as the interaction between the two regions is weak, both arrows will survive. He bases this claim on a simple computer model that allows him to set up weakly interacting systems with opposite arrows of time and see what happens.

Here's how it works. Take a square 1 unit on each side, and add a particle with coordinates x and y . Move the particle by repeatedly replacing x with $x + y$ and y with $x + 2y$, and discarding any integer parts of the results (so x and y stay in the range from 0 to 1). The particle will flit about the square chaotically. "This mimics the essential behavior of a gas particle, while being a lot simpler than reality," according to Schulman.

To set up two gases with opposite arrows of time, Schulman imposes appropriate boundary conditions. In one model gas, the particles start in one corner of the square and spread out until they are completely disordered. They have a "normal" arrow of time (that is, the same arrow as us). In the other, Schulman imposes the final condition that after, say 20 moves, corresponding to 20 time steps, the particles are all in the corner of the square. This system has a backward arrow of time. Call the normal-time region Alice and the reverse-time region Bob.

The next step is to let Alice and Bob interact. Schulman tweaks the coordinates of each normal-time particle according to the coordinates of the reverse-time test particle, and vice versa.

When Schulman lets both systems run, he finds that neither arrow of time is destroyed by the other. "All that happens is that Bob adds a bit of noise to Alice and Alice adds a bit of noise to Bob," says Schulman. The two arrows of time are remarkably robust.

"I had no idea when I started my work that this would be the outcome," he says. "The result surprised me as much anyone else." But this surprise, he adds, comes from a prejudice against future boundary conditions. Once you are used to the idea of matter having some memory of what we call its future, it ceases to surprise. From our point of view, the memory of future organization drags any reverse time region in the direction of increasing order, despite any small disturbances from our own "normal" region.

The paper has created quite a stir. "This is very cool stuff indeed," says Max Tegmark of the University of Pennsylvania. At the Technion-Israel Institute of Technology, where Schulman began this work, Amos Ori agrees. "Schulman has shown that the consistency of a

model with two simultaneous time arrows can be explored by relatively simple means. This is a very important observation."

And he has some equivocal support from David Pegg of Griffith University in Brisbane. "I see no obvious flaw in the calculations Schulman has done. He makes his case quite well and I am willing to accept it, at least until convinced otherwise."

Either way: we see the big bang in our past, and, perhaps, a big crunch in our future. But other regions (black galaxies) could have a different point of view, looking back to what we call the big crunch and looking forward to our big bang

Other physicists don't believe that Schulman's computer model is relevant to the real world. According to Paul Davies of the University of Adelaide, a real physical system with a backward arrow would be so fantastically sensitive to an outside influence that it would be easily destroyed. "Imagine a box of gas with molecular velocities reversed to bring about an ordered state," he says. "The gravity of a single electron at the edge of the observable Universe is enough to throw out the motion of a given molecule by 90 degrees after only 20 or so intermolecular collisions. That's pretty sensitive."

Crossing the divide

Surprisingly, Schulman does not dispute Davies' point. "He's absolutely right. But the very set-up of his thought experiment, with initial conditions only, precludes an opposite-directed arrow," he says. "My result applies when boundary conditions are imposed at two separate times."

Some might attack the realism of Schulman's interaction, which he admits is an abstract mathematical one and not related to a real physical force such as gravity. "Nevertheless, I maintain that the interaction is adequate for treating the conceptual issue of the effects of future- conditioning," he says.

So could we actually see reverse-time beings if they exist, and maybe even wave to them? Remarkably, Schulman says yes. Using a theory originally developed by Richard Feynman and John Wheeler, which treats light waves travelling in both time directions on an equal footing, he shows that forward and reverse regions could communicate by light signals.

But communicating with the other side has its dangers. If normal-time Alice were to see rain pouring out through reverse-time Bob's window, she could wait until before the rain started and shout to Bob to close

his window. "So did Bob's floor get wet or not?" says Schulman.

Perhaps something intermediate happens which smears out the paradox. "Alice sees the window open, shouts to Bob but the message gets blurred and Bob doesn't close the window," says Schulman.

And there's another, more disturbing possibility. "If you impose initial and final boundary conditions, it may turn out that the events described simply can't happen," he says. "In mathematical terms, they are simply not a solution." In other words, we might just be fated not to cause any paradoxes.

So, how would a reverse-time region arise? Schulman says such regions may exist for the same inexplicable reason that regions of normal time exist. But there is one more concrete possibility: perhaps we live in a Universe whose expansion from a big bang will one day be reversed into a contraction down to a "big crunch", a sort of mirror-image of the big bang in which the Universe was born 13 billion years ago. Although the latest cosmological evidence is against this, the question isn't settled.

In 1958, Thomas Gold of Cornell University argued that the thermodynamic arrow of time would reverse during the contraction phase, creating order out of chaos. Gold's reasoning turned out to be flawed, but in the 1970s, Schulman used his own model to show that the conclusions were right. As the big bang and big crunch are both highly ordered (all the matter is in a small volume), thermodynamic arrows of time should point away from both ends. The arrow of time depends on the expansion or contraction of the Universe. "Coffee cools because the quasar 3C 273 grows ever more distant," says Schulman.

Of course, if you were alive during a cosmic contraction phase you would see nothing untoward--you'd have the same arrow as most of the matter in the Universe, and it would look like expansion (see Diagram). Stepping outside the Universe, the situation appears perfectly symmetrical; it makes just as much sense to call either end the big bang or the big crunch.

A bizarre consequence of Schulman's theory is that some reverse-time regions from a future contracting phase of the Universe could have survived until today--and could be only a few tens of light years away. "Some bits of the Universe might have reverse arrows while other bits with forward arrows might survive well into the contraction phase."

As the "turnaround" time when the Universe's expansion turns into contraction could be many

hundreds of billions of years away, any stars would have burnt out. Unfortunately, there would be little prospect of seeing stellar unexplosions or backwards people among such cold stuff. "We would still feel their gravity, though," says Schulman. "Such reverse-time matter would have all the attributes of the invisible, or 'dark', matter thought to make up most of the mass of our Universe."

Colliding arrows

Another possibility is that in the 13 billion years since the big bang most of the Universe's matter has collided with reverse-time matter from the future. The result of such collisions would be matter in "equilibrium" with no time direction. "Once again, it would appear exactly like dark matter," says Schulman. Other physicists are sceptical. "I doubt that this has anything to do with the dark matter problem," says Tegmark.

So what would it be like in a region that is changing its time direction? Would exploding things suddenly start unexploding? And what would happen to the minds of beings around at the time? Sadly, it would be rather undramatic. For a particular area to change its arrow, it would first have to go through a period of maximum disorder where there could be no stars or explosions or structured, working minds. But if you survived for long enough, you might be able to watch the Universe around you starting to contract, and most of its matter going into reverse.

If all this is getting a bit difficult to stomach, there is a way to test it--even if we can't spy on a nearby backwards planet. "Things happening today could be influenced by boundary conditions at the end of the Universe," says Schulman. What he has in mind are ultra-slow processes.

In the 1970s, John Wheeler of Princeton University suggested observing the decays of atomic nuclei with ultra-long half-lives, perhaps many tens of billions of years. The suggestion was that the normal exponential decay would be modified by exponential "undecay" and that this might actually be observable in a sample of a few kilograms in the laboratory. Possible candidates are rhenium-187 and samarium-147, which have half-lives of about 100 billion years.

Unfortunately, Wheeler was too optimistic. For an experiment of a sensible duration, a few years, say, you'd need roughly the total supply of these isotopes in the Universe to see deviations from exponential decay.

"A far better bet is galaxy clustering," says Schulman. He believes that the way galaxies cluster together could be affected by a future contraction phase.

Unfortunately, he has not yet worked out what form this effect might take.

But over the past few years, a small group of physicists have been claiming that the Universe has an inexplicable fractal structure. Most cosmologists disagree, partly because they have no way to explain such a bizarre pattern. But say there is something in it. Could it perhaps be a memory of the future?

GERMAN FIGHTER ACE RED BARON SHOT DOWN A UFO IN 1917!

BONN, Germany -- The flamboyant fighter pilot known as the Red Baron not only shot down 80 enemy planes for the Germans during World War I -- he also was the first human in history to gun down an alien spaceship!

That's the fascinating claim of former German Air Force ace Peter Waitzrik, who says he watched in astonishment as the deadeye fighter pilot shot a UFO with undulating orange lights out of the sky over Belgium in 1917. Then, Waitzrik says, he stared in disbelief as two bruised and battered occupants of the downed craft climbed from their spaceship and scampered off into the woods -- apparently never to be seen again.

"The Baron and I gave a full report on the incident back at headquarters and they told us not to ever mention it again," the feisty, 105-year-old retired airline pilot recently told a reporter.

"And except for my wife and grandkids, I never told a soul. But it's been over 80 years, so what difference could it possibly make now?" The aging Waitzrik said he and Baron Manfred von Richtofen -- the renowned Red Baron -- were flying an early morning mission over western Belgium in the spring of 1917 when the UFO suddenly appeared in a clear, blue sky directly ahead of their Fokker triplanes. "We were terrified because we'd never seen anything like it before," recalled the easygoing great-great grandfather of five.

"The U.S. had just entered the war, so we assumed it was something they'd sent up. "The Baron immediately opened fire and the thing went down like a rock, shearing off tree limbs as it crashed in the woods. Then the two little baldheaded guys climbed out and ran away."

Waitzrik said he assumed the glittering silver spaceship was some sort of enemy invention until the flying saucer scare that began in the late 1940s convinced him that his buddy had shot down a UFO.

"The thing was maybe 40 meters (136 feet) in diameter and looked just like those saucer- shaped spaceships that everybody's been seeing for the last 50 years," the awed oldster said. "So there's no doubt in my mind now that that was no U.S. reconnaissance plane the Baron shot down, that was some kind of spacecraft from another planet -- and those little guys who ran off into the woods weren't Americans, they were space aliens of some kind.

"You know, sometimes I wonder what ever became of those guys, anyway."

Physicist Classifies Galactic Civilizations

Staff Writer Sally Suddock

<http://www.cosmiverse.com/paranormal042401.html>

April 24, 2000 08:00 CST

A physics theoretician, educator and NASA propulsion systems advisor believes Earth's solar system has already been visited by beings from other universes. And, Dr. Michio Kaku says civilizations can be classified as three types, relative to their mastery of technology.

He spoke last weekend at the Prophets Conference in Santa Fe, NM. "Personally--and this a view shared by Paul Davies, a friend of mine--personally we believe that we have already been visited" by other civilizations, "and chances are they're on the moon," he said.

The physicist also described the advance of what he termed Type 1, 2 and 3 civilizations. "A Type 1 civilization has harnessed the power of a planet. They can control the weather, they control earthquakes, and volcanoes. They have cities in the ocean, and they have all planetary power at their disposal," he said. "Eventually they exhaust the power of a planet" and migrate to a nearby solar system. Kaku described a Type 2 civilization as one that has gone beyond terrestrial control.

"They play with solar flares, they play with stars, they ignite them, they play with them. When Junior wants to borrow the starship Dad says 'sure, just put a few White Dwarfs in the gas tank' and off you go!" says Kaku. The most technologically advanced, he said, are Type 3 civilizations that occur when "eventually a civilization exhausts the power of a star and they go on to the galaxy. They harness the power of the black hole at the center of most galaxies. They are truly galactic in power and scope," says Kaku.

If Earth's civilization advanced to such power, he said, "we wouldn't send Captain Kirk, going from planet to planet, because it would take too long.

What we would do is send probes (that are) self - replicating machines."

"The probes would land on a moon, create a factory that creates thousands of copies of themselves that shoot out to other moons, land on the moon, create thousands of copies of them and shoot out again," said Kaku. "Each time they land on a moon they leave an alarm clock waiting for a 'Type Zero' civilization to attain 'Type One' status," he said.

Once the mastery of the planet occurs, perhaps, the dormant Type 3 civilization re-emerges, because the new civilization "would be interesting to them." Like many other theories of ET civilizations that make it into the movies, Kaku said his scenarios are similar to the film 2001, "based on the idea that these civilizations land on a moon, create thousands of copies of themselves that are sent off to other moons and like a virus, colonize a galaxy in a very brief period of time."

Major CSETI Announcement DISCLOSURE NEWS PROGRAMMING ANNOUNCEMENT 12 June 2000

Dr. Steven M. Greer announced today that the long-awaited process to disclose definitive evidence and proof regarding extraterrestrial intelligence, UFOs and covert government projects related to the subject has been funded and launched.

Disclosure News Programming (DNP), an investigative reporting news organization, has been formed to spearhead and coordinate this disclosure over the next year. Key features of the project include:

A prolonged, sustained and coordinated multimedia global release of definitive evidence and the testimony of top secret witnesses about extraterrestrial intelligence, secret and compartmented government programs and advanced technologies related to energy and propulsion systems;

An integrated strategy which includes a multi-part investigative news special, compendia books and transcripts of government witness testimony, an Internet site dedicated to the disclosure evidence and on-going executive briefings for government, military, scientific, congressional, international, and corporate leaders;

A de facto international government disclosure by virtue of the large numbers of military, intelligence, government, corporate, scientific and government-related institute witnesses now ready to come forward during this integrated and sustained program;

A news conference during which top-secret witnesses disclose the full nature of their direct knowledge concerning the subject.

Currently, over 200 top-secret witnesses have been identified in the US, Brazil, United Kingdom, Denmark, Germany, Norway, Belgium, Russia, Italy and other countries. It is important to note that during briefings at the Pentagon and with senior congressional leaders and Executive Branch staff that this civilian effort to disclose this matter has been repeatedly green-lighted and even encouraged.

Disclosure News Programming and its related strategies are supported by a team of senior researchers and consultants with substantial expertise in military affairs, international affairs, national security, science, technology and related areas.

This international team working intensely on the disclosure process has been recently joined by one of the most senior aerospace executives in American history - a person who has specific knowledge since the 1970s of the planned use of Ballistic Missile Defense (the Star Wars program) to target extraterrestrial objects in space - even though there is no evidence of any credible threat from these craft.

It has been determined that the combination of accelerating global environmental degradation and the dangers associated with the weaponization of space necessitates a near-term disclosure process. The risks of doing nothing and the benefits to humanity resulting from disclosure make it clear that such an effort - long overdue by most accounts - is now a global imperative.

The public is invited to assist in this project by referring credible government and corporate witnesses who have first-hand knowledge of these covert programs, as well as other evidence and materials, to Disclosure News Programming (DNP).

Contact: Disclosure News Programming (DNP)
Steven M. Greer, MD
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NEW MINNESOTA MUFON MEETING LOCATION

Our October 14th MUFON meeting will be held at the Fairview Center at 1910 West County Road B due to the fact that the Roseville Activity Center is closing permanently and will be torn down. This location is a temporary interim location. We are looking into

reserving it for Nov. and Dec. as well. It is not known whether the room will house more than 30-40 people.

There is a possibility of getting a meeting room there for the proposed Don Schmitt presentation on Sunday, Oct. 9. We might try for a Barnes & Noble location.

MN MUFON FI Coordinator Honored

Craig Lang, FI Coordinator for Minnesota MUFON, was honored with a plaque at the National MUFON Symposium on July 14 for his outstanding FI reports and superior FI effort all around. We at Minnesota MUFON are very proud of Craig and feel privileged to have him and his leadership on our FI team. Well done Craig!

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National MUFON Hotline

To report UFO news, sightings, etc. call 1-800-836-2166

Go to: www.mnmufon.org/mmj.htm for back issues of the Minnesota MUFON Journal.

Your news or editorial contributions to this journal are welcomed and appreciated. Please direct your articles or inquiries to the Editor.

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