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Sarfatti On Warp Drives And Corso's Book

From: [Stig Agermose@online.pol.dk](mailto:Stig.Agermose@online.pol.dk) (Stig Agermose)
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Hi.

As a follow up to my last post I hope you will appreciate this "txt" excerpt of a very interesting piece by quantum physicist Jack Sarfatti. The full and mathematically rather complicated "htm" version with working links can be found at

<http://www.qedcorp.com/O/Oship.html>

but this short "news briefing" gives some of the background to Sarfatti's research and John Schnurer's experiments. It is taken from the Columbus Dispatch May 8 1998, URL:

<http://www.dispatch.com:80/pan/news/hovernws.html>

Although I already have posted it once, namely on May 9, I take the liberty of doing it again, as the information is essential in this context.

Stig

Weighty talk about anti-gravity

Scientist is working with local company to duplicate experiment

May 8, 1998

By Mark D. Somerson
Dispatch Staff Reporter

He said all objects placed above the spinning disk showed a small drop in weight.

Take a controversial Russian scientist, NASA and a high- tech Columbus company and the world just might -- might -- have a good shot at beating gravity.

But before anyone fires an apple at Sir Issac Newton, many things have to happen, including determining whether Eugene Podkletnov and his quest for shielding Earth's pull are real.

Yesterday, a representative from the National Aeronautics and Space Administration brought Podkletnov to Superconductive Components on the Northwest Side, to talk anti-gravity.

"Ten years ago, physicists would have said this stuff is Star Trek -- impossible to do," said Ron Koczor, associate director of the Space Science Laboratory at NASA's Marshall Space Flight Center in Huntsville, Ala.

"But if Eugene's work can be duplicated independently, this will change totally how the world does business."

In 1992, while working in Finland, Podkletnov said he achieved a 2 percent reduction in the force of gravity by using superconducting materials. He said, in essence, that he had built an anti-gravity machine.

In the world of physics, 2 percent is a giant leap. This is the stuff, scientists said yesterday, that Albert Einstein described but couldn't prove -- that objects can be shielded against the waves of gravity that make what goes up come down.

But there is a problem. No other scientist has been able to replicate the Russian's results, and Podkletnov has yet to publish his work in a science journal.

Although Podkletnov said his idea is valid, he isn't exactly sure why it works.

"This is an entirely new field of knowledge," he said. "We can't understand everything. This is physics, chemistry, ceramic technology, electrical engineering and more."

Still, NASA was interested enough to bring him to its Marshall Space Flight Center four days ago, and to Columbus to see whether his work can be duplicated.

Podkletnov reported that he reduced gravity while a 12-inch superconductive ceramic disk was spinning rapidly inside a container of super-cold liquid nitrogen. He said all objects placed above the spinning disk showed a small drop in weight.

Despite many attempts, NASA's Marshall Center had no success in replicating the experiment.

So NASA came to Superconductive Components. In February the company was awarded a \$70,000 NASA grant to duplicate and someday enlarge the superconducting disks.

One day the space agency would like to stack ceramic disks atop one another, freeze and spin them, and watch gravity lose its edge, Koczor said.

James Gaines, vice president and general manager, said if Superconductive can duplicate Podkletnov's disk, it could lead to a second NASA award of about \$750,000.

"We've sold materials to NASA and a number of credible people," Gaines said. "But we've also sold it to every kook in the world. We've had the president of every UFO society in the country buying small versions of this stuff."

The biggest ceramic disks that Superconductive has made are 6 inches in diameter.

"The degree of difficulty goes up when you make the disks bigger," Gaines said.

Still, he said Superconductive is willing to give it a whirl.

"When his idea first hit the Internet, hundreds of people were trying to duplicate it," Gaines said. "Now, it's winnowed down to the strong-hearted people with a lot of money."

NASA has the money.

"I don't know if it's going to work," Gaines said. "But if it does, it's going to be a hoot."

Again. The URL is

<http://www.qedcorp.com/O/Oship.html>

and Sarfatti says:

(snipped)

4 Our experiment.

One of us (John Schnurer) has recently succeeded in partially reproducing the weak gravitational shielding effect... Although the observed weight reduction was large enough to be clearly distinguished from the noise (of the order of 1 % or more), it was detected only in transient form, lasting up to ca. 3 s. This happened because the weight reduction was coincident with the superconducting transition of the HTC disk, which occurred quite rapidly when the disk warmed up over its critical temperature."

"An improved setup allowed us to run more than 400 trials with an heavier proof mass (a glass rods bundle -- total weight 63 g), accumulating better statistics. Approximately 10 % of the trials gave positive result, i.e., a clear transient reduction in the weight of the proof mass. This apparently random behavior signals that some of the conditions which are necessary to trigger the effect are not well under control yet. ... if the transition is too quick or too slow with respect to certain criteria, no effect is observed. The duration of the transition, in turn, depends strongly on the thermal conditions of the disk, and the latter can be controlled only with limited accuracy."

"the transient reduction in the weight of the proof mass was always coincident with the thermal transition of the YBCO disk from the superconducting to the non-BFsuperconducting state."

"First there were the tiny, clear single filament, flexible glasslike wires twisted together through a kind of gray harness

4.1 Interpretation.

"It is crucial for the occurrence of the effect that the supercurrent present in the disk at the transition be very high and that the transition width be small. This requires an excellent HTC ceramic material."

Colonel Phillip Corso says that the fuselage of the alleged crashed ET ship is "ceramic". Let's look at a few remarks that Corso makes in Birnes's version in *The Day After Roswell*. This is not an exhaustive list of all the relevant technical clues scattered throughout Corso's book that do significantly match promising new ideas in physics. I will add to this list later.

"Dr. Hermann Oberth suggests we consider the Roswell craft from the New Mexico desert not a spacecraft but a time machine." p.90.

"we should consider the EBES =85 humanoid robots rather than life forms, specifically engineered for long-distance travel through space and time." p.91

Compare this with

<http://www.hia.com/hia/pcr/parsifal.html>.

"What did intrigue those who inspected the aircraft once it was shipped to Wright field was the complete absence of any food-preparation facilities. Nor were there any stored foodstuffs on board." p.94

"The bodies of the alleged dead ET's had "no digestive or waste systems" =85 the creatures were enclosed in a one-piece protective covering =85 in which the atoms were aligned so as to provide great tensile strength and flexibility=85" p.95

The ET's are "telepathic". p. 97

"headbands .. embedded =85. were =85 sensors " =85 Perhaps these headband

devices comprised the pilot interface of the ship's navigational and propulsion system combined with a long-range communications device =85 lack of any traditional controls and propulsion system in the crashed vehicle =85 I imagined that the keys to understanding what made the craft go and directed its flight lay not only in the craft itself but in the relationship between the pilots and the craft." pp. 98-99

Brendan O Regan wanted me to write a paper on this same idea for Psychoenergetic Systems back in London in 1974! I heard this same stuff from him when he was working with Astronaut Edgar Mitchell with Puthoff and Targ at the Stanford Research Institute. George Koopman from Insgroup, Huntington Beach, CA, a defense contractor who funded PCRG at Esalen, had similar information that he said he got from the "kook desk" when he was in the Army. This sounds like Corso's "nut file". Harold Chipman, a former CIA station chief who funded me overtly in 1985, told me directly that his unit used "remote viewing" successfully in actual covert operations inside the Soviet Union during the Cold War. Chipman said he was responsible for bringing Pat Price to Puthoff and Targ at the Stanford Research Institute. Chipman said his unit also ran mind-control experiments with psycho-active drugs in San Francisco years earlier.

Now don't tell me that NASA's "Breakthrough Propellantless Propulsion" group at Lewis in Cleveland promoted by Marc Millis was not motivated by Corso's story or similar stories.

"There were no conventional technological explanations for the way the Roswell craft's propulsion system operated. There were no atomic engines, no rockets, no jets, nor any propeller-driven form of thrust."

Corso then gives some flaky-sounding attempts at an explanation, which should be reinterpreted in terms of the Modanese-Schnurer theory discussed earlier. Remember that Corso is not a scientist or an engineer, but is a military intelligence officer.

"The craft was able to displace gravity through the propagation of a magnetic wave =85." p. 100

"=85 the entire vehicle functioned just like a giant capacitor" p. 101

This does not make sense since the plates of a capacitor attract rather than repel. All of these classical EM field attempts are, of course, na=EFve. EM fields play a role, but the key factor is the giant sentient post-quantum potential Q^* that couples to the classical EM fields in the high-temperature nano-engineered superconducting fuselage. There is no way that Corso or All The King's Horses and All The King's Men in Army R&D could have known back then what we know today. It's a new conceptual ball game today in 1998. Brendan O Regan asked me to work on this back in 1974, but I did not have the prerequisite conceptual tools back then. We had to wait for theoretical physics to advance another 25 years. Now we can do it! Too bad, O' Regan, Koopman and Chipman are not alive today to see this. Too bad Generals Mac Arthur and Trudeau are not alive to see this. But Colonel Corso is still alive at 82. Who was it that said, "Lafayette we are here."?

"The pilots weren't affected by the tremendous g-forces that build up in the acceleration of conventional aircraft because to aliens inside, it was as if gravity was being folded around the outside of the wave that enveloped the craft. Maybe it was like travelling inside the eye of a hurricane." p. 101

This is a damn good pop description of the Alcubierre warp drive idea. That is, the ship is locally on a slower-than-light weightless timelike geodesic although globally it is going faster-than-light. This is due to the inhomogeneous warping of the metric from bow to stern, which is made possible by the exotic quantum-phase coupling to the metric's dynamical action. According to Modanese and Schnurer, this exotic coupling induces a locally inhomogeneous strong cosmological constant field that gives repulsive anti-gravity like the inflation field at the beginning of the universe. This is a post-quantum sentient controlled mini-inflation effect-- I think (tentatively).

"But how did the pilots interface with the wave form they were generating."

Replace Corso's use of "wave form" by "giant post-quantum pilot-wave form attached to the superconducting electromagnetic field configuration".

"=85 the secret =85 could be found in the single-piece skin-tight coveralls spun around the creatures."

This is a nano-engineered material of quantum dots, wires and wells that is a post-quantum computer that couples directly to the Q^* of the pilot's momentary material brain configuration as shown in EEG's and other classical neurological signatures. The fuselage is a similarly nano-engineered ceramic-based ultra-high temperature superconductor with enormous post-quantum computing power IMHO.

"The vehicle was simply an extension of their own bodies because it was tied into their neurological systems=85"

See Nick Herbert's book, *Elemental Mind* (Dutton) for some background on this.

"Where was the engine or the power supply for the craft? =85. engineers marveled at the thin amalgam of the most refined copper and purest silver they had ever seen that covered the ship's underside. The metal was remarkable for its conductivity, as if the entire craft was an electrical circuit offering no resistance to the flow of current." p. 107

Here's your high-temperature nano-engineered superconductor that Modanese needs! It is now obvious. Corso's story is highly likely to be essentially true IMHO! There are more technical details that fit, but that is enough for now. J

5 Energetic balance.

It is necessary now to discuss some issues of elementary character -- but important from the practical point of view -- concerning the overall energetic balance of the shielding process. In general energy must be supplied in order to reduce the weight of an object, because the potential gravitational energy of the object has negative sign and is smaller, in absolute value, in the presence of shielding. However, since the field is non-conservative, it is certainly wrong to compute the difference in the potential energy of an object between the interior and the exterior of the shielding cylinder by evaluating naively the difference (which turns out to be huge) between an hypothetical ``internal potential'' U ... Which we are most familiar, being produced by very large masses, are relatively insensitive to the presence of light test bodies; thus, it makes sense in that case to speak of a field in the usual meaning: while a body falls down, we do not usually worry about its reaction on the Earth. But in the present case, the interaction between the shielded object and the external source (that is, the system [Bose condensate+external e.m. field], which, by fixing the constraints on the gravitational potential h , produces the shielding), is very important. Let us then ask a provocative question, suggested by the experimental reality: if the superconducting disk is in a room and the shielding effect extends up to the ceiling, should we expect the disk and all the shielding apparatus to feel a back reaction? (And possibly an even stronger one if the ceiling is quite thick or if there are more floors above?) ... Because of this, considerations involving the local energy density of the gravitational field, which can be properly defined for weak fields, are not helpful in the present case. ... The answer is this: since the ceiling is very rigid, the experimental apparatus is not able to exert any work on it and thus does not feel its presence."

Sarfatti: So MS do not have the my above idea that the effect is confined to a small boundary layer. Actually if the effective mass of the virtual gravitons is imaginary the propagator oscillates in space rather than decays like in the Yukawa potential. So I may be wrong about the warp being confined to a thin boundary of scale $h/|im|c$?

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