Registration-Inscripción

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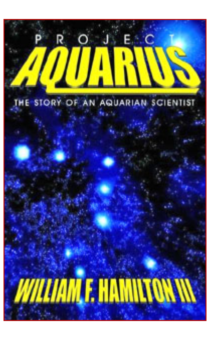
by **William Hamilton**
Revised October 25, 2005
from AstroSciences Website

Revision Notice

The book on Project Aquarius will be published in November 2005.



I have decided to reinstate this webpage for a number of reasons. There are a number of individuals who have mounted a concerted attack on the case of Dr. Dan Burisch just as there have been a number of other individuals who have attacked the authenticity of the Bob Lazar story.

One of the individuals is newscaster George Knapp of *Las Vegas television station KLAS.*

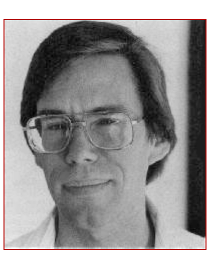
In addition a cadre of U.S. government agents or ex-agents such as Rick Doty (AFOSI), Gene Loscowski (pseudo last name DIA), and Paul McGovern (DIA) have, on various tours of duty served at Area 51 and purport to know the truth about extraterrestrial visitation and reverse engineering projects conducted on the Nevada Test Site at S-4 and who were friends of Retired Major Tom Mack who said he had known Dan Crain, refute *Dan Burisch's claim* that he worked at S-4 or that there was a J-Rod that had a degenerating condition as peripheral neuropathy.

> Since several witnesses have now signed notarized affidavits, including Dr. Dan Burisch, attesting to the truth of his claim, I am herewith posting these affidavits at the end of this page.
>
> Since Dan is receiving the full support of those he has worked for and is engaged in a full debrief of his 19 years of service to the members of Majestic which will be made known in 2006, the truth will emerge and until then, it is up to the student and reader to determine whether we are being enlightened or disinformed.
> **- William Hamilton**
>
> Power tends to corrupt, and absolute power corrupts absolutely."
> **- Lord Acton (1887)**
>
> "Liberty is not the power of doing what we like, but the right of being able to do what we ought."
> **- Lord Acton**

We all remember the saga of Robert Lazar. He was the young man who stepped forward courageously stating that he worked on a very top secret reverse engineering project at a super secret underground facility near Groom Lake and closer to Papoose Lake known as S-4.

Robert Scott Lazar [(1)]

According to **Bob Lazar** the noted scientist **Dr. Edward Teller** (now deceased) was impressed with Bob and sent him to be interviewed at EG&G. As a result of this interview, he was hired by EG&G to work at the super secret Area 51.

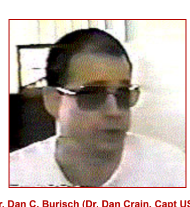


According to **Gene Huff**, Lazar's friend and supporter:

> "Bob reported to the EG&G building at McCarran airport, which had runway access, where he was met by Dennis Mariani. Mariani was a security man of medium build and height, about 35 to 40 years old, blonde hair and a tightly cropped blonde mustache. Mariani had a military look and manner, but he didn't wear a uniform.
>
> With Mariani as his escort, Bob was flown out to area 51 at Groom Lake.
>
> At area 51, Bob had to sign a secrecy agreement and an agreement to waive his constitutional rights, which is illegal but was made possible by an executive order with Ronald Reagan's signature on it. He also had to sign an agreement which allowed them to monitor his phone line. Bob already had "Q" clearance, which is top secret civilian clearance, at Los Alamos but he had never gone through anything like this.
>
> The clearance he was now attaining would require perpetual monitoring of his activities and would never simply be attained and forgotten about until the next review date. After some abrupt suggestions that he honor his secrecy agreement and watch his general conduct, he and Mariani boarded a bus with blacked out windows and took a 20 to 30 minute ride down a bumpy dirt/gravel road.
>
> They arrived at a base near Papoose dry lake bed known as S4.

S-4 Badge # E-6722MAJ 1

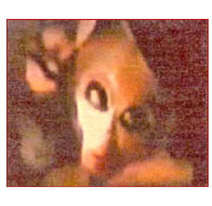
> **Tom Mahood** conducted an open minded investigation of Lazar and posted a timeline beginning with his birth in Florida January 26, 1959 and continuing through his problems with pandering charges, bankruptcy, etc.
>
> Once it was a hot story and now many think Lazar's story was either a fabrication or deliberate disinformation. Rarely are such pronouncements the last word. A critical issue was his claimed education at M.I.T. as a physicist.
>
> While there were records found at Pierce Junior College in Woodland Hills, a search of all M.I.T. records and publications found no trace of Lazar. Records of his attendance at Cal Tech and Cal State Northridge were also not found. Did he lie? That is the common conclusion.
>
> But, the story of his working on the "*Sports Model*" would not die and other test site workers affirm that Bob worked at the Nevada Test Site. Other sources have said that the S-4 facility is just as Bob describes it to be and that reverse engineering is conducted there in secret.
>
> I have even met a computer engineer who works on contract for the Navy at Area 51 who has reverse engineered an alien device. He is quite credible and is still on contract from time to time. Oh yes, he has a genuine Area 51 badge, not the fun badges sold at UFO conferences.
>
> Now the friends of another scientist who worked at S-4 have stepped forward and I have taken this new case bearing in mind all those nasty critics out there. Why? Because it may be *the key to the alien presence and mission on earth.*
>
> This is the saga of a man held in captivity by his employers and who is now retired (as of March 2005) and his name is Dr. **Dan Burisch.**



Dr. Dan C. Burisch (Dr. Dan Crain, Capt USN)
S-4 Badge # H-6196MAJ

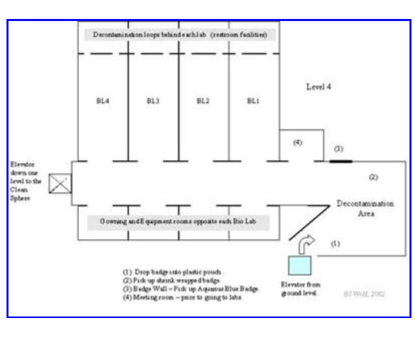
I am telling this man's story because I am researching various specific references I have in my possession suffice to say he was trained as a microbiologist and worked on a project involving a live EBE and because Dan is one of the sincerest men I have met who has an encyclopedic mind, a good sense of humor and wit, and little motive to fabricate information.

J-ROD was not allowed to leave by the Majestic group and thus considers himself captive.



The commentary that follows is from my source:

> "I was going through my files to find out about Dan's badge, but I don't have any copies. I remember him telling me that he never got to take his badge home at all.
>
> For what it's worth, I can tell you what it looked like, based on his descriptions: it was a white badge with two blue hash marks across the upper left side. Below these hash marks was his designated area (**S4**). Directly above the S4 was a star shaped punch. On his old badge, there were three letters underneath S4; they were ETL for extraterrestrial laboratory. In his later badges they changed the ETL to EBL for Extraterrestrial Biological Laboratory.
>
> On the right hand side of the badge was MAJ spelled vertically. The badges also displayed the photo of the scientist, and below this photo was his name, assignment and badge number (the H-number).
>
> Along the very bottom was either a DX (standing for departmental transfer) or WX (standing for engineering transfer) code which would allow the person access to different parts of the project, or pavilions as they call them. The reverse of this badge had a black mag-strip. When Dan got his badge, it was usually paired up with an orange badge that gave his # for logging into that facility (Papoose) for the day. Dan would receive a separate badge if he needed to go to Floor 2, which if I correctly remember him saying were LG and SideKick.
>
> But badging got a little more complicated as you got lower down into the labs. You see, nobody was supposed to know who you were as you got lower down into the Aquarius project area.
>
> When Dan got to the Aquarius level, he was required to place his badge into a plastic bag-like container before he went into decontamination. When he came out of there, the badge was returned to him but it was laminated in a plastic pouch (I guess it had to be decontaminated too).
>
> Once that was collected by Dan, he carried it over to a badge wall, and put it on a hook (usually he was told to turn it over so the front was facing the wall and nobody could read it) in an open numbered spot. Any spot would do so long as nobody else's badge was hanging there. Then Dan would take a blue numbered badge that corresponded to the spot and put his original badge on.
>
> This blue badge only had a number on it. He was then "Scientist #5" for example for the remainder of his time down there. Bottle washers and support personnel were similarly numbered. So Bottle Washer #3 might be called over by Scientist #9 etc...
>
> This served to completely isolate the different levels of workers from one another, and help maintain compartmentalization. Nobody was supposed to use proper names at that level."



Dan Burisch (Crain) is a microbiologist receiving his PhD in 1989 in New York. NYU is already starting to deny a record of this, but documents exist showing his educational record.

He first graduated with a BA from UNLV in 1986 when he was first approached as a candidate for working on a project for the government. From the time period 1982-85 he is listed as a biologist and owner of *Crain Environment Research* in Las Vegas.

He submitted a proposal to NASA entitled,

> "ON THE TRANSPLANTATION OF PROTOZOA AND THE EXPLOITATION OF MARTIAN EXOBIOLOGY: THE CASE FOR *EUGLENA VIRIDIS* IN THE AUTOMATED BIOLOGICAL LABORATORY."

Dan has an intense interest in Mars, its anomalies, and potentials for life. NASA replied,

> "Your project has been found to contain sufficient intrinsic merit as to enable integration into *NSCORT Bioregenerative Life Support Division*, a sub-directorate of the *Controlled Ecological Life Support Systems* (**CELSS**) Program of the National Aeronautics and Space Administration."

New Britain Ave., Rocky Hill, CT 06067, 860 529-2671. e-mail
BURHANS, Ms. Barbara A.; '82 MEd; 5089 Del Monaco, Santa Barbara, CA 93111, 805 964-8854.
BURISCH, Danny B., PhD; '86 BA; MA St. Patrick's Seminary, PhD SUNY; Biologist; Burisch Rsch. Admin. Ofc., 3774 Territory St., Las Vegas, NV 89121, 702 547-1066; r. 3774 Territory St., Las Vegas, NV 89121, 702 547-1066; *Deborah*; Tiffany, Victoria. e-mail
BURIST, Ms. Dorothy Marie; '71 AA; RN; 870 S. Rancho, Las Vegas, NV 89106, 702 870-2090; r. 1220 Olvera Way, Las Vegas, NV 89128, 702 223-7234

He was eventually assigned to be the *Working Group Leader* in Project Aquarius, R-4800, Papoose Site-4 on the Nevada Test Site at the same location as Robert Lazar, only briefly when Lazar was there, but assigned to a leadership position sometime around 1994. He worked in the underground biological lab that had been installed on Level 4.

The security procedures for entering the area included *optical retinal scan* and *voice print identification*. Showering, shaving, decontamination, and change of clothing was required before entering the lab as they had classified at a bio safety level of 5 which is not listed in the OSU manuals.

Here is a description of *Bio safety level 4:*

> Bio-safety Level 4:
> Practices, safety equipment, and facilities are applicable to work with dangerous and exotic agents which pose a high individual risk of life threatening disease.
>
> All manipulations of potentially infectious diagnostic materials, isolates, and naturally or experimentally infected animals pose a high risk of exposure and infection to laboratory personnel. Lassa fever virus is representative of the microorganisms assigned to Level 4.
>
> I guess coming into contact with extraterrestrial life forms is an additional level of hazard. Unknown microbes could be transferred from the host to the workers.

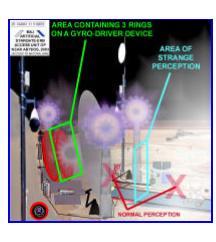
Project Aquarius was only one of 5 compartmentalized projects conducted at the S-4 facility. More detail will be supplied as we progress with the story of S-4, but here is a brief listing:

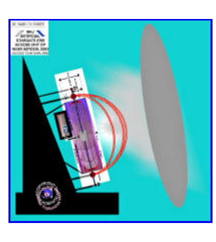
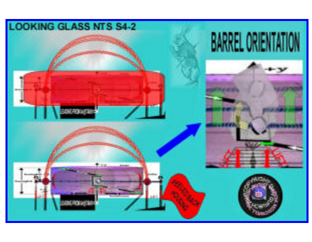
> Project Sigma:
> (TS/ORCON) PROJECT SIGMA
> (PROWORD): AQUARIUS
> Originally established as part of Project XXXXXX in 1954.
>
> Became a separate project in 1976. It's mission was to establish communication with Aliens. This Project met with positive success (sic) when in 1959, the United States established primitive communications with the Aliens. On April 25, 1964, a USAF intelligence officer met two aliens at a pre-arranged location in the desert in New Mexico.
>
> The contact lasted for approximately three hours. XXX(for over half a line)XXX the Air Force officer managed to exchange basic information with the two Aliens (Atch 7). This project is continuing at an Air Force base in New Mexico. (OPR): XXXXXX (From the Aquarius document).
>
> *Project Sigma* at S-4 was associated with satellites and satellite surveillance.
>
> Project Galileo:
> Dealt with the Propulsion System and was the main area of study for **Lazar**. He was taken to the briefing room and told to study reports about propulsion and the role of gravity as the propulsion medium. Harnessing, amplifying and lensing the basic gravity A wave has many other possibilities.
>
> Project Sidekick:
> Dealt with A Beam Weapon potential of the craft and the attempt to prototype one. Somehow using gravity and lensing it in order to collimate the beam. Once the beam is focused in a triangulated manner on a specific point, the options of destructions are endless.
>
> Project Looking Glass:
> Dealt with the Physics of Seeing the effects of an artificially produced gravity wave on time. This as with the other projects all embraced gravity and the control of it, and therefore the control of Space/Time as the key element

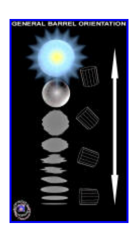
Project Looking Glass
The Commentary that follows is from my source that linked with inside sources and took notes on **Project Looking Glass** (LG) and Time Travel experiments:

> "With regard to LG: As I understand it, this device (at least 3 to 4 years ago) could not focus on a detailed sequence of activities in the future. In other words, you could not see exactly what would happen, like a series of events.
>
> I was told to consider the multiverse [(5)] idea combined with work by **Richard Gott** on cosmic strings [(6)]. The *multiverse* apparently is accessed when the forward mode is set. I was also told to consider the views provided by LG as one of many potential realities (at least in the future view mode).
>
> I have also been told that recently there has been an effort made to outfit videotape recorders to be sent forward through the apparatus, thereby allowing the dark project people to gain some insight into what may take place.
>
> When I heard about this several questions came to my mind. The most pressing of which was: if a camera were sent forward in time/space, would it be able to record anything other than what was immediately in front of its lens? I mean, what if LG were located in the middle of the *Groom Lake facility*, and the operators wanted to gain insight into the outcome of a conflict, say in the Middle East.
>
> How could a videotape recorder, set to record what was right in front of its lens at that location gather any data on the Middle East if it were still stuck in the middle of the Mojave desert when it got to the future??? Hell, something important could be happening right behind the camera and it would miss it - a couple of degrees change in camera direction allows one set of events to be seen while another set is completely overlooked, much less events half a world away.
>
> To answer this question, my contact was not specific, saying only that cameras did not move, as mass does not change in its perspective to space time. However, such an item placed into the injected atmosphere, might experience a different time, if only briefly. And cameras could film within the gas or see images in the injected atmosphere as though it were a lens reflecting events in and around the column. I was given to understand that the tilt or positioning of the electromagnets would allow different views or positions in the environment to be reflected in the gas column.
>
> (I feel confident that at least two rings of electromagnets are employed and that the rest of the device is composed of a barrel and the gas injected into the barrel - Two different sources have indicated that these are the basic components - These magnets spin in different directions, creating a charge of some kind.
>
> Then the gas is injected into the barrel. Depending on the direction of the spin - I am sure speed and tilt and a bunch of other factors must also have an effect - time space can be warped forward or backwards by long or short distances relative to the present. I have reason to believe that the scientists have completed a map of the exact positions and speeds of the magnets necessary to reach targeted times both forward and back.)
>
> Apparently, images of the events at different places, relative to the location of the device can be picked up and in essence reflected off the gas, causing it to behave like a teleprompter or *crystal ball*, for lack of a better example.

> But I am not entirely sure that mass does not move, or that mass is not affected.
>
> Since I was also told many years ago about an experiment that went very wrong in the early years of the **LG project**, involving a test subject of some kind. As I understand it there was significant movement of mass during that experiment, and it ended up with a rather gruesome death for the poor test subject.
>
> (I originally thought it was a monkey, but I found out that there were many test subjects that got sent through, so I am not certain what kind was involved in the experiment that went bad. However, in my typical reverse-logic search for corollaries, this tells me that there must have been many test subjects that made it through just fine. So I am certain that any errors that were made or any miscalculations have long since been corrected).
>
> I wish I could offer you more information. For what its worth, my sources have confirmed the presence of electromagnets and a barrel-like device which is injected with some kind of gas....these components seem necessary for **LG** to function as a viewing device. And as for any changes in mass, or movement within time-space.... I really don't know since my information sources would only tell me 'so much' about what they saw or experienced at the time they were involved.
>
> But it can be reasoned, based upon what they did say that there were significant experiments in the movement of mass back and forward through time, many of which were successful. I am sure much has been discovered and/or refined in the process since then."
>
> The following images were created and supplied by Dan Burisch





from ProjectCamelot Website

Back to Time Travel

Project Aquarius - An Umbrella project with a focus on the study of the EBEs

All these projects were known by Dan but further expansion on their descriptions and relationships will be investigated further.

There is also something explained in the briefing documents as a *Convergent Time Line* and the document seems to explain a relationship that could explain why they are here, what they are doing, and why sampling of the population and life forms on this planet are being conducted.

I have and am submitting documents and background on this man to experts who can help, but giving him the benefit of the doubt, and after hearing similar tales from others who work in the Black World, if nothing else we want this man alive and free in the future along with other scientists and technicians who are working for the greater good.

Whether you believe these stories or not, there is a reason to take them seriously as there is already sufficient evidence of a cover-up. Maybe Majestic and the Committee are acting in the greater interest of humanity, but an uninformed public cannot make a determination. Without solid proof, these stories remain entertaining, but nothing that should detract from our interests in sports or fashion.

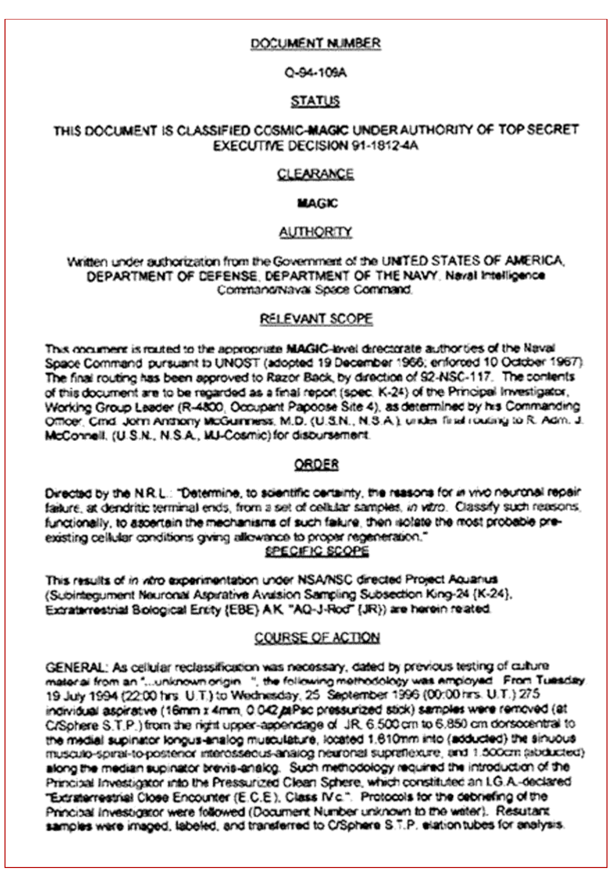
According to Dan, the officer he reported to was then Vice Adm. **J.M. McConnell** who was recently the Director of NSA. He is now retired into civilian life.

Mr. McConnell joined *Booz·Allen* in March 1996 after serving as Director, *National Security Agency* (**NSA**), the agency responsible for Signals Intelligence and for all Classified Information Security for the U.S. Government.

In addition to serving as Director of NSA, a position he held from 1992 to 1996, Mr. McConnell served as the Intelligence Officer for the Chairman, *Joint Chiefs of Staff* (**JCS-J2**) during the dissolution of the Soviet Union and Operation DESERT STORM.

While serving on the Joint Staff, Mr. McConnell regularly briefed the President and his Cabinet Officers, international leaders, and the Senate and House of the U.S. Congress. He also appeared regularly on international television as the U.S. Intelligence Spokesman during the Gulf War. He achieved the rank of Vice Admiral in the U.S. Navy, where he spent more than 25 years as an *Operational Intelligence Officer.*

This is not something that is proven but is included here as an item for further research. Below is a recreation of the draft of the first page of the Aquarius document written by Dan which mentions McConnell.



DOCUMENT NUMBER

Q-94-109A

STATUS

THIS DOCUMENT IS CLASSIFIED COSMIC-MAGIC UNDER AUTHORITY OF TOP SECRET EXECUTIVE DECISION 91-1812-4A

CLEARANCE

MAGIC

AUTHORITY

Written under authorization from the Government of the UNITED STATES OF AMERICA, DEPARTMENT OF DEFENSE, DEPARTMENT OF THE NAVY, Naval Intelligence Command/Naval Space Command.

RELEVANT SCOPE

This document is routed to the appropriate MAGIC-level directorate authorities of the Naval Space Command pursuant to UNOST (adopted 19 December 1966; enforced 10 October 1967). The final routing has been approved to Razor Back, by direction of 92-NSC-117. The contents of this document are to be regarded as a final report (spec. K-24) of the Principal Investigator, Working Group Leader (R-4800, Occupant Papoose Site 4), as determined by his Commanding Officer, Cmd. John Anthony McGuinness, M.D. (U.S.N., N.S.A.), under final routing to R. Adm. J. McConnell, (U.S.N., N.S.A., MJ-Cosmic) for disbursement.

ORDER

Directed by the N.R.L.: "Determine, to scientific certainty, the reasons for in vivo neuronal repair failure, at dendritic terminal ends, from a set of cellular samples, in vitro. Classify such reasons, functionally, to ascertain the mechanisms of such failure, then isolate the most probable pre-existing cellular conditions giving allowance to proper regeneration."

SPECIFIC SCOPE

This results of in vitro experimentation under NSA/NSC directed Project Aquarius (Subintegument Neuronal Aspirative Avulsion Sampling Subsection King-24 (K-24), Extraterrestrial Biological Entity (EBE) A.K. "AQ-J-Rod" (JR)) are herein related.

COURSE OF ACTION

GENERAL: As cellular reclassification was necessary, dated by previous testing of culture material from an "...unknown origin...", the following methodology was employed. From Tuesday 19 July 1994 (22:00 hrs. U.T.) to Wednesday, 25 September 1996 (00:00 hrs. U.T.) 275 individual aspirative (16mm x 4mm, 0.042 μPsc pressurized stick) samples were removed (at C/Sphere S.T.P.) from the right upper-appendage of JR, 6.500 cm to 6.850 cm dorsocentral to the medial supinator longus-analog musculature, located 1.610mm into (adducted) the sinuous musculo-spiral-to-posterior interosseous-analog neuronal supraflexure, and 1.500cm (abducted) along the median supinator brevis-analog. Such methodology required the introduction of the Principal Investigator into the Pressurized Clean Sphere, which constituted an I.G.A.-declared "Extraterrestrial Close Encounter (E.C.E.), Class IV-c.". Protocols for the debriefing of the Principal Investigator were followed (Document Number unknown to the writer). Resultant samples were imaged, labeled, and transferred to C/Sphere S.T.P. elation tubes for analysis.

Letters from USAF Major (ret) Tom Mack to Robert Collins
...regarding J-rod and Dr. Danny Crain

Please see below email/letter written to me by a **Thomas Mack** on February 18th, 1999: Tom Mack was only 51 years old when he died of a stroke last month or in September 2000.

Up to February of 1999 I'd never heard of a Thomas Mack, and unfortunately, did I ever get the chance to meet him: But, all my other contacts who did know him said he was a great guy !

Also, Tom never knew that I already knew some of the people he referred me to: So, with permission from my sources I'm releasing this letter/email to the public: May Tom Mack rest in peace.........Rmc

> Subject: Re: Groom Lake
> Date: Thu, 18 Feb 1999 16:38:54 -0800 (PST)
> From: THOMAS MACK <bbsnowman50@yahoo.com>
> To: Lemis@sprintmail.com
>
> **Mr. Collins**,
> I understand you are interested in the Air Force's Investigation of UFOs. I have read you web site and was very impressed with the postings.
>
> I am a retired AF Major. I served from 1972 to 1994. My entire AF career was spent in AF Intelligence. I served with the Air Force Scientific Advisory Group, Groom Lake, NV, from Jun 75 to Apr 83 and from Mar 88 to Oct 94, my retirement date from the AF. I worked on numerous special projects. All involved the reverse engineering of captured UFOs. Yes, I was intimately involved in this operation.
>
> I worked with JAROD. We called him the "*Puppet Master*." The most perfect non-human being in the Universe. He actually had a good sense of humor. He could imitate anyone's voice. A very clever creature. Comment: See bottom of EBEs 1, 2 ,3 and Jarod
>
> I worked on various other projects that involved the collection of UFO related intelligence. I worked with a Special Agent Richard Doty. **Agent Doty** was our counterintelligence agent. He would conduct operations to prevent the disclosure of our project. A very nifty guy. Very knowledgeable of the subject of UFOs. He was briefed into the program sometime in 1980.
>
> The entire program was classified above *Top Secret*. A classification of COSMIC-MAJIC. The program was called, *Majestic-12*. We operated under the control of this group.
>
> I wish I could go public, I could embarrass the Government. I can prove to the world, that the UFO Subject is real.
>
> I just wanted you to know you are on the right track. Keep it up.
>
> Find Agent Doty and he'll should assist you in finding the truth. The last location of Agent Doty was in Albuquerque, NM. He was working for the Highway Patrol or maybe the State Patrol, whatever they call it in New Mexico.
>
> Good Hunting.
>
> **BBSnow**

***

> Subject: Re: Fwd: Fish Face ?
> Date: Sat, 20 Feb 1999 18:12:39 -0800 (PST)
> From: **THOMAS MACK** <bbsnowman50@yahoo.com>
> To: TOPPAN166@aol.com
>
> Rick,
>
> STAAR was a special response team formed in the middle 50s. It consisted of experts in several different fields. Their main objective was to counter any Alien threat or attack. I heard about it and read some information on their activities, however, I was not involved with the team. I don't recall whether the team was still in existence in the 70s.
>
> I only knew JAROD by that name or by Puppet Master. Never heard of him being referred to as Smiling Eyes. That could have been EBE-1, who lived from 1947 to 1952. Of course, that was before my time.
>
> As for Q-94-109A or the other documents you mentioned. I left in 1994 and was not privy to all the information that was being published. The format seems to be correct, however, I don't recall the particular documents. Cosmic-Magic was a caveat for our program. Majestic 12 was the category of classification.
>
> As for the Cellular Subfraction analysis, Ambient Biochemistry and Subfraction biochemistry, I didn't have a need to know that type of information. Although I had the special clearance for scientific intelligence, I probably didn't think it was worth reading.
>
> I knew Captain Danny Crain. However, I think he was in DIA. Project Aquarius, R-4800, was the specific program we operated under. Papoose Site 4 was the location.
>
> Hope this helps.
>
> **Tom**

Tom Mack on right and Paul McGovern on left. Groom Lake Nevada circa 1970s.
There is now a Fire Station sitting where they are walking.
Picture sent by Tom Mack's son.

Project Star Flower

Dan has been working on a project once dubbed "Lotus" now coded as *Star Flower 1*. This project deals with the original seeding of the earth that started all forms of life. Panspermia holds that life on Earth was seeded from space, and that life's evolution to higher forms depends on genetic programs that come from space.

It is a wholly scientific, testable theory for which evidence is accumulating. [3]

I met Dan one day for coffee and asked him if he believed in the Panspermia hypothesis, that earth was seeded by viruses, viroids, or bacteria from space. He said he did, but had a better explanation for the seeding of earth, an insight gained from his *Lotus Project*.

This was a surprise, but as he talked about it, the possibilities became most interesting in multiple ways.

The following note is taken from the Lotus Protocols and is a little heavy on scientific terms, but should convey a great dealing of meaning to an educated reader. There will be a glossary at the end of this work that will clarify some of the special terms that Dan uses frequently.

As a matter of REQUIRED reference,

- the origins of life in the form of bacterial cells (publicly) currently dates to a little prior to 3.9 Billion Years Ago (BYA), quite an event for the early Archaean Eon
- with *promitochondrial endosymbionts* seemingly entrenching to become mitochondria (proper) by 2 BYA
- terrestrial *cyanobacteria* appearing near 1.4 BYA
- and a significant *taxa* diversification of photosynthetic *protoclists* close to 1.3 BYA (correlated to the acquisition of symbiotic photosynthetic plastids)

(Annotation from Reference, and used to follow: See - **Margulis, Lynn**, "Symbiotic Planet" [2000] and "Five Kingdoms-..." [1988]).

Is it not interesting that the issue of the possible *polyphyletic origins* of those plastids remains open, yet dogma is pronouncing near certainty for the predecessor of mitochondria, or is it, really? Let's take a close look at the contentions of Dr. Margulis.

In the search for mitochondrial origins, the varieties to look toward for guidance (according to Margulis, "Symbiotic...") would be either *bdellovibrio* (a small 0.3 micrometer pseudomonad that is aggressive to larger bacteria and even burrows into them, which respires its food sources and releases carbon dioxide) or *paracoccus* (an oxygen respiring micrococcus of diameter 1 micrometer [individual sphere]).

The problem, here, is this:

> As late as 1981, citations of Margulis' work carried statements that a likely category of mitochondrial precursor was an anaerobic phototrophic bacterium (purple nonsulfur bacteria, that synthesize organic compounds by direct incorporation of carbon dioxide).
>
> A big difference? You bet your life! A crack in her theory? It is certainly a problem.
>
> The crack is not found in the relevance of the new biochemical findings, alone. In the time from 1981 (really somewhere before and it was then cited in texts such as by Wallace, King, and Sanders in "Biology: the Science of Life", before fourth edition) until now, research has been progressing on the contents of mitochondria, and a striking resemblance has been found between those contents and those of *bdellovibrio*.

So, it appears that Margulis has moved her "chip of support" from the basic biochemistry of the purple nonsulfurs to the pseudomonads.

This is the mistake! (Not that the purple nonsulfurs were the end-all in the debate! You will soon see, quite the contrary!) Under the current line of thinking, as the *mutualistic symbiosis* progressed between *endosymbiont* and host, redundancy was screened out of the *endosymbiont*.

The endosymbiont no longer used a large portion of its biochemistry (and conversely its genomic components), as independent existence allegedly became a thing of the past.

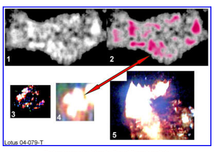
- Does this mean, necessarily, that the remaining "left over" biochemistry correlations (no matter how integral to the functioning of both the mitochondrion and that of the counterpart under question) must posit a singular direct taxonomic linkage between the two? Nope, not under serial endosymbiotic theory.
- Can this be akin to "cell apoptosis" for the theory? No. Not just yet.
- Is the correlation between the two (that is diminution of redundancy) correct? Probably so.
- The complementary behavior between mitochondrion and nucleus would infer as much. Is the origin of the relationship, a macroevolution from a pair of independent organisms necessitated for us to now see the refinement from redundancy? No.
- What say you of *evolution*?
- Are the first acts of *progressing organismic metabolism* (a shared dance of catabolism and anabolism) one imbued with a negotiated hyperbolic peace between predator and prey (see: Margulis, Lynn, "Microcosmos", 1997) or does life follow the apparent path of the Universe, a series of transparently stoic acts of *Cosmos from Chaos*? (Pick up a text of a creation myth.)

In defense of one or the other, I would reference to

> "http://unisci.com/stories/19992/0621995.htm" for hierarchy through "productivity" (Drossel, Barbara, University of Manchester in England), conservation of gene clusters (Andersson, Siv G.E. and Eriksson, Kimmo "Dynamics of Gene Order Structures and Genomic Architectures", Department of Molecular Evolution, Evolutionary Biology Centre, Uppsala University, Sweden; as published on the internet, and a refutation to the Dawkin's "*Selfish Gene Theory*" as published by Unisci "Daily University Science News" Efros, David R., [New England Complex Systems Institute], with an opinion defense by Dr. Bar-Yam, Yaneer, 04/25/2000).
>
> I remain prepared (and would encourage) to debate the issuance of my opinions, relative the relevance between the aforementioned orders of magnitude."

A little further on, he has further reflections on the endosymbiotic theory proposed by Margulis...

> "I believe that the scientists, including Margulis (but no mistake I have great admiration for her work), are too busy focusing on the newer biochemistry, then jumping from one foot to another in the search for the closest present biochemical counterpart, all the while praying that Gregor Mendel will justify their beliefs with results of *Polymerase Chain Reaction*. I have been guilty of the same.



Photomicrographs taken by Dan of Ganesh particle

> Neo-Darwinism is an attempt to reconcile *Mendelian genetics*, which says that organisms do not change with time, with Darwinism, which claims they do.
> **-- Lynn Margulis**
>
> - Artificial selection never produces wholly new characteristics. There is no evidence that natural selection without the input of new genes does either.
> - The notion that mutation and recombination can compose new genes is implausible.
> - There is scant evidence that mutation and recombination can compose functional new genes that differ from any known predecessor by more than, say, a dozen essential nucleotides.
> - The evolution of antifreeze glycoproteins in Antarctic cod presents problems for both programs.
> - **Evolution does not appear to be gradual,** contrary to Darwin's firm prediction.
> - The standard theory cannot explain why the coordinating genes that control the development of embryos and major features are often very similar across totally different species.
> - Convergent evolution is a surprise not well-explained by neo-Darwinism.
> - Macroevolutionary progress is not accounted for by neo-Darwinian microevolution.[3]

In accordance with new ideas on evolutionary biology beyond the *neo-Darwinistic* approach **Dan** finds that,

> **1)** life comes from space
> **2)** the genesis seed has evidence of intelligent design and operation (not alien intelligence, but a cosmic creator intelligence).

Here is what he has to say about it:

> " Since my beginning within M...el I have had the distinct honor of having been assigned to some of the most interesting projects known to humankind. From the work of Project Aquarius to the sands of the Iraq desert, I have attempted to (Com1: Block text set...) ...serve my country with the greatest effort and efficiency.
>
> I deeply hope that my latest assignment, in Africa, has served the interests of the United States of America. For the past decade, I have been slowly formulating a thesis, bringing together the research of the greatest minds of humanity to attempt an answer to the ages old question of our origins. That formulation culminated in the *L Project*, later named Project S.FI.
>
> In a nutshell, we have found the key elements to put together an ancient virus that not only once seeded our beautiful planet, but whose integral parts still play an act of continuous creation within the intricate web of life. That play, we believe, pushes forward the complexity found within the biosphere, to perfectly match species diversity to the other elements of our living world.
>
> This sounds wonderful, however, just as there exists subtle behavioral cues within child's play, so to we believe that such also resides, hidden within the conjoined L. Being armed with the most ancient DNA codes, having the power to manipulate the dance of the L; does not give us sufficient knowledge, the authority of its maker, or the right itself to conjoin, synthesize, or otherwise taunt it or its awesome powers.
>
> Our span of control exists within the narrow range of careful study. To do more, we risk humanity..."

Much of what Dan describes is very technical and deals with protocols and procedures.

I am currently contacting friendly scientists to help decipher some of this. There is more to all of this which has been added from other confidential sources. It is always easy to dismiss these extraordinary claims, but I believe in going beyond skepticism and investigating every nuance. There is much going on here that will finally make sense to those with keen intuition.

We discussed DNA, but it is not just the structure of the molecules in DNA, but the resonances and vibrations that relate to extraordinary mathematical harmonies.

If DNA is seeded on planets, as Dan believes through a virus that split into two components, then cosmic seeding of planets is the norm and those planets which have developed the right conditions (geological intelligent design or the gaia hypothesis) where atmosphere, lithosphere, and magnetic field parameters are all fine-tuned for the development and flourishing of life by life itself.

> Gaia Hypothesis
> "...the physical and chemical condition of the surface of the Earth, of the atmosphere, and of the oceans has been and is actively made fit and comfortable by the presence of life itself. This is in contrast to the conventional wisdom which held that life adapted to the planetary conditions as it and they evolved their separate ways."

Elsewhere, in relation to the definition of Gaia we find the following:

> "The entire range of living matter on Earth from whales to viruses and from oaks to algae could be regarded as constituting a single living entity capable of maintaining the Earth's atmosphere to suit its overall needs and endowed with faculties and powers far beyond those of its constituent parts..
>
> [Gaia can be defined] as a complex entity involving the Earth's biosphere, atmosphere, oceans, and soil; the totality constituting a feedback of cybernetic systems which seeks an optimal physical and chemical environment for life on this planet."

And in another section we find speculative thoughts concerning Gaia, and one's which probably appealed to many of the readers who supported the various environmental groups, but at the same time provoked the hard-lined scientific critics of the *Gaia Hypothesis*:

> "To what extent is our collective intelligence also a part of Gaia? Do we as a species constitute a Gaian nervous system and a brain which can consciously anticipate environmental changes?" [p147]

The Gaia Hypothesis has often been described by commentators as one of the most provoking singular ideas to have been put forward in the second half of this century, and while it struggled to be formally accepted in the fields of the traditional sciences in the 1970's and early 1980's, it certainly managed to provoke its share of debate. During this period, Lovelock prepared for a second publication.

Another theory discussed by Dan is that of endosymbiosis. This theory is propounded by Lynn Margulis and goes hand-in-hand with the *Gaia Hypothesis*.

> "Effectively, Lynn Margulis contended that symbiosis, not chance mutation, was the driving force behind evolution and that the cooperation between organisms and the environment are the chief agents of natural selection -- not competition among individuals. She says that,
>
> > "Darwin's grand vision was not wrong, only incomplete. This was a little much to handle for some of her critics, and at first her theory was not accepted, especially in its original appearance alongside that of the Gaia Hypothesis: There were two fundamental components of Lovelock and Margulis's *Gaia theory:*
> >
> > - The planet is, in Margulis's words, a "super organismic system"
> > - Evolution is the result of cooperative not *competitive* processes.
>
> At that time in 1969, her paper was rejected by over a dozen scientific journals because no one knew how to evaluate it.
>
> Finally, after a long and hard struggle against peer-reviewed resistance, she prevailed. The extent of vision and perseverance with her emerging theory is often measured by the reviews of critics.
>
> It is therefore quite rewarding to find that one of the leading critics of the *Gaia Hypothesis*, **Richard Dawkins**, in reference to the separately contrived theory by Margulis states the following:
>
> "I greatly admire Lynn Margulis' sheer courage and stamina in sticking by the *endosymbiosis theory*, and carrying it through from being an unorthodoxy to an orthodoxy. This is one of the great achievements of twentieth-century evolutionary biology, and I greatly admire her for it."

At the present time in contemporary scientific circles, what was once regarded as an absurd speculation is now taken as self-evident truth.

Most recent biology textbooks include reference to Lynn Margulis' theory of endosymbiosis, the majority of them put it forward as **the most likely explanation** of the origin and evolution of life on the planet we know as Earth." [4]

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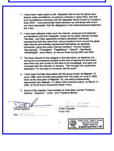

> Falsehood is easy,
> truth so difficult.
> **George Eliot**

Sincerely,

Bill Hamilton
Executive Director
Astrosciences Network

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