

Personal Log, Dr. Sharn Rennet, Capt., USAF

**2014.02.12** – Past few days have been something of a blur due to recovery from injuries suffered during our recent excursion to Pagala, the town where we rescued Komell and learned how to heal the Jaffa. The planet is being designated after the name of the settlement near the gate.

My injuries allowed for a real-world test of the medicinal poultices Nathalie and I picked up on Pagala. Following immediate patient stabilization, Dr. Lam and I determined to use the fresh concoction alone on one injury, conventional treatment alone on another and a combination of conventional and Pagalan poultice on the third to compare efficacy of the herbal remedy. This was done in conjunction with blood transfusions that were, unfortunately, necessary to prevent near term mortality. After two days, we modified the study by applying a stored (refrigerated at 2<sup>0</sup>C) poultice to the conventional treatment due to the beneficial effects observed on other treated wounds. Overall recovery times for the energy weapon injuries were reduced by an estimated 50 to 66%. Dr. Lam and I are working on a paper together about the poultice. Two samples were run through a battery of assays at SGC immediately, the others were sent to Area 51 for analysis. Results of the SGC analyses are being incorporated into our paper.

⇒ **Research paper:** Lam, C. and S. Rennet. 2014. Evidence for accelerated healing associated with the use of Pagalan herbal poultice on energy weapon wounds: implications for treating severe burns. A51 Res. Rev. 59(2)475-487.

**2014.02.13** – Still confined to the infirmary. Gen. O’Neil came by and handed out medals. Sh’lar and I got Purple Hearts, A1c. McTavish received his well-deserved Silver Star. I’m surprised and disappointed that other GR-1 members were passed over for recognition of the significant achievements made individually and by the team.

**2014.02.14** – Still confined to the infirmary - at least it gives me plenty of time to write. Test results are back from the analysis of the Pagalan Poultice, identifying several compounds that warrant further investigation for their biological properties, particularly as they apply to burns. Completed draft of paper for submission. Made final edits on the internal report on our discovery for curing the Jaffa of prim’ta dependence. Began draft of paper on ne’taf, the previously undescribed Pagalan tuber. Dr. Bryant Rix of the SGC medical staff, a passionate armature botanist, and Dr. Katie Brown, lead botanist at SGC both agreed to assist in the initial investigations of the plant.

⇒ **Research paper:** Rennet, S. 2014. Breakthrough treatment protocol for prim’ta or tretonin dependent Jaffa. Classified Internal SGC Report #M4U/M 2014SGC030000219, 54 pages.

⇒ **Research paper:** K. Brown, S. Rennet, and B. Rix. 2014. A botanical and nutritional description of the Pagalan ne’taf tuber. A51 Res. Rev. 59(3):543-548.

**2014.02.16.1440** – *Daedalus* re-established communications with SGC. *Odyssey* attacked them about the time we were gating back to SGC. *Daedalus* lost their shields and about half their offensive weapons systems in the encounter before withdrawing. Col. Caldwell was relieved to discover that we had found

our way back to SGC. He suggested to Gen. Landry that all ship-supported GR, SG and AR personnel file a “safe-word” to call for immediate beam-out. Col. Caldwell also indicated that ship to shore communications intercepted between the Odyssey and the Jaffa beamed to the planet suggest that Sek’meht had been after Komell as part of a broader effort on her part to hunt and kill Tok’ra.

**2014.02.16.1600** – SGC First Contact team FC-2 dispatched to Pagala. Messenger sent to Free Jaffa Council with information about treatment for tretonin dependency.

**2014.02.17.0800** – Released from the Infirmary! However, I’ve been assigned to restricted duty until my recovery is complete.

**2014.02.17.1000** – First Contact Team on Pagala reached an agreement with the residents. Earth is going to provide tretonin to the Jaffa there as needed due to the loss of their Queen Tef’nut.

**2014.02.18.0700** – Gated to Pagala, beamed aboard Daedalus immediately. Reported to Dr. Brightman for medical review of injuries. She is keeping me on restricted duty at least until we reach Atlantis. I’m feeling much better but my strength is, as anticipated, slow to recover after so much blood loss.

**2014.03.06** – We arrive at Atlantis without further incident and beamed down to the city. As required, I reported to Dr. Keller for a medical evaluation. I continue on restricted duty but was assigned to assist Dr. Beckett with several long term research projects, including his enhanced ancient gene activation (eAGA) therapy protocol and several ongoing investigations into the biochemistry of the wraith enzyme. I was among the first to volunteer for trials of the eATA therapy.

Completed final revisions on ne’taf paper and submitted to Area 51 with today’s encrypted data burst.

**2014.03.09.0700** – Check up with Dr. Keller; cleared to return to full duty. She passed word that I had new orders: to report to Mr. Woolsey’s briefing room at 0800. I am eager to get back to saving the galaxy.

**2014.03.09.0800** – Mr. Woolsey, Col. Sheppard, Drs. Zalenka and McKay assembled in the briefing room with GR-1 to go over a mission to Nardol 3BG. This is a planet culled sometime last year. There are no known survivors. A MALP was sent 5 months ago and data suggest safe atmospheric and environmental conditions and no recent human or wraith activity. Nardol 3BG has a planetary gate but it is non-functional at present. It is a 6 hour trip from the nearby space gate to the planet. Our mission is to:

- Escort Drs. McKay and Zalenka to Nardol 3BG
- Secure their worksite to allow them to complete their (top-secret-need-to-know-and-we-don’t) work
- Escort them back to Atlantis.

We left Atlantis in a puddle jumper shortly after the briefing. We discovered a ring of debris circling Nardol 3BG. It was clear from the fragments that the populace had put up a good fight against the wraith when they had arrived. The debris includes remains of darts and wraith scout ships but we

detected no evidence of destroyed hive ships. Approximately 30 Nardolian ships appear to have presented a strong and united planetary front to resist the culling but they were completely defeated.

It also appeared that the natives of this planet were technologically advanced, perhaps beyond that of present day earth. Remains of at least five equatorial space elevator structures are evident in the debris and on the surface. The planet's two moons have ruins of bases. All have been destroyed. No life signs or energy signatures were detected with scanners. Wreckage from a very limited number of Nardolian satellites is also present in the orbiting debris field.

The ruined cities are enormous. No automated weapons systems or energy signatures were detected with scanners. Well organized and vast agricultural areas surround the cities. No evidence of irrigation is evident from scanner data. Construction techniques for long term sustainability and materials reuse were obviously and consistently employed. Most planet-side ruins are of buildings constructed with brick. Many roofs incorporated vegetative cover. Destruction from energy weapons resulted in substantial damage to nearly every structure but the underlying strength of the design and the build quality is evident in the ruins. Most of the damage appears caused by heat from the blast, not the concussive blast associated with wraith ship mounted weapon fire. Scanner data suggests widespread use of global-scale modular technology systems prior to culling.

Long range scanners identified several nearby star systems that were recently inhabited. All are within 5 light years of primary planet. Mission parameters prevented exploration of these systems. Long range data suggest some preliminary findings on formerly inhabited planets of nearby systems:

- Technology lagged Nardol 3BG by approximately 3 centuries
- Mass housing was universally employed (contrasting with widespread individual and small-scale multiple housing units on Nardol 3BG)
- Farms are 5 to 10 times larger
- Cities more compact
- Conclusive proof is lacking but preliminary evidence suggests the possibility of enslavement or other form of forced servitude on outlying planets.

Maj. Bodrov landed the puddle jumper and cloaked the ship in the town square near the planetary gate. After a quick search showed that the immediate area was clear of dangers, Dr. McKay and Zalenka got to work on their research. Sh'lar was left to guard them while the rest of GR-1 expanded the secured perimeter. Our handheld scanner from the jumper showed unexpected life signs and we immediately took cover. A patrol of wraith warriors was exploring the ruins. We killed them quickly. Siniang and Pageau are deadly warriors.

A wraith UAV nearly discovered personnel at the gate but they got themselves and their gear under cover until it passed. Sh'lar radioed us to tell us it was headed our way so we got under cover again and waited for it. This small UAV must have been programmed to simulate the flight behavior of a Satedan wonbly bat with its dodging and weaving. Having collected wonbly bats for years as a kid, it was a relatively easy shot to knock this little thing out of the air.

I then went to check on the wraith warrior that I had shot with a stunner. It was unlikely that we would be able to get any useful information from him but I felt compelled to try. The first thing I did was to zip-strip his wrists. As I did so, I noticed a lot of blood. His throat had been cut. Looking further I noticed his enzyme pouch had been removed. Just as I reached for my radio transmit button I felt the barrel of a gun press against the back of my neck. I froze. Hands reached around from behind and removed my pistol and the spare clip. My grenades were also taken and the mugger quietly moved away and was gone.

When I radioed Maj. Bodrov he was first baffled and then exasperated with my report. He ordered an immediate search of the area for traces of the assailant. A1c. McTavish speculated that it had been the MIA Lt. Ford. He guessed that Lt. Ford was using a cloaking device to remain undetected. He said that if Lt. Ford was acting true to form, he would likely also have removed the DHD control crystal to trap wraith on planet. Sure enough, just as McTavish made his prediction, Dr. McKay radioed us to let us know that the control crystal was missing and that they could not complete their research without it.

A trail of boot tracks led to a trap inside a nearby building but no other sign of Lt. Ford. We discovered another area filled with booby traps, but again no Ford. Before leaving the area, we collected the wreckage of the wraith UAV and I took enzyme pouches from the other dead wraith. We hid their bodies in the ruins in case a second probe came looking.

We did not find Lt. Ford among the ruined buildings but we did discover a damaged wraith scout ship. It was guarded by two warriors. Our bloodthirsty Chinese assassin killed them with her sniper rifle. Our sneaky French spy ghosted up to the ship, closed the loading bay door and did something to the mechanism so it could not be re-opened easily.

Believing it was relatively safe, A1c. McTavish and I approached to collect enzyme pouches. Before I got half way to the ship I was distracted by an unusual flowering sedge pushing up between the half melted paving bricks. When I turned and alerted Jason to this surprising find I was brought up short by Lt. Ford appearing out of nowhere. He revealed half of his body by throwing back part of covering that was completely cloaking him from vision and our sensor. When I greeted him he returned the greeting with a handshake, handing me a grenade pin in the process.

“If your sniper gets me, we both go,” he said. I shifted my position slightly to give him more cover from SSgt. Siniang and handed him the five pouches of enzyme I had collected earlier. He was surprised by that.