Integrated avionics technicians support success in the sky
What’s Inside

Commander’s Column

Spirituality and the Mission

Influenza Vaccines

Airmen & Airpower

Headlines & Highlights

Welcomes, Farewells, Promotions

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Out & About

View all Command Media, news, full-time vacancies and more on the 104th Fighter Wing Mobile App, available on the Apple App Store and Google Play Store

Distinguished Flying Award

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AirScoop

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Senior Airman Randy Burlingame
Airman 1st Class Sara Kolinski
Airman Basic Camille Lienau

Congratulations
Chief Master Sgt. Thomas Orifice on being selected as the group chief for the 104th Mission Support Group!
What is a Resilience Tactical Pause? Doesn’t the Chief of Staff of the Air force know that we don’t have time for this? We have a mission to do, we’re falling behind in training, and we’re stitching old equipment together with limited resources.

I would be lying if I told you this wasn’t part of what I felt when Gen. Goldfein made the announcement. As I reflect on that reaction, I’m not proud, but I know where it came from, and why I feel that way. We have been at war, training for the next war, and defending the homeland for 18 years. We have been mission focused and under resourced, which is exhausting. We have brought up our Airmen to “do more with less” and to sacrifice beyond reasonable expectation.

There will always be a need to shift the work-life balance one way or the other – times to focus on family and home life, and times to go all in and surge to mission execution. The problem is that the USAF has been surging for two decades. The mission has to get done, but in that effort we are losing Airmen. We are losing them to the civilian sector because they are burnt out and demoralized, and we are losing them to suicide. We have to change if we truly believe that people are our most valuable resource. A Resilience Tactical Pause is the first step in making that change and taking better care of our airmen.

So, back to the original question. What is a Resilience Tactical Pause? The phrase “tactical pause” speaks for itself. We are going to stop what we are doing, pause from executing the mission, take a deep breath, and connect with our fellow airmen. Resilience is the key word to decipher.

Essentially, it is how people bend without breaking. How they make it through difficult times and bounce back. We want our airmen to be resilient, and we want individuals in our organizations to recognize when someone is going through emotional challenges and provide support.

We have all been there – mentally, physically, or emotionally exhausted when someone says or does something that reminds us that we are not alone. “This may suck right now, but at least we are all in the suck together.” Empathy, sympathy, an ear to listen, and a shoulder to lean on go a long way to building resiliency.

This Tactical Pause must not be a “check the box” event. This is the beginning of a much larger challenge to build real connections inside of our work centers. The talks that we have and the support that we provide each other this weekend builds a solid foundation that enables small tactical pauses the rest of the year.

If we keep our heads down and focus on the mission all day, every day, bad things will happen. We will burn out, we will lose connections with our fellow airmen, and we will miss the warning signs that someone needs help. We are a family, and taking a moment to appreciate the people you work with and make sure they are doing well could be the most impactful thing you do all day.

We do have a mission to do, we are falling behind in training, and we will keep stitching equipment together with limited resources. If we take care of each other, those challenges can be met head-on with high morale from an engaged and supported workforce.

#BeThere for your fellow Barnestormers.
So often we hear people say that spirituality is a personal matter. While I will agree that there certainly is a seriously personal dimension to spirituality, I am compelled to ask the question, “Does the presence of spirituality or lack of it in a person’s life have an impact on anyone else?” If it is purely a personal matter the answer would simply be that the presence of spirituality or lack of it in someone’s life has absolutely no impact on anyone else – it’s personal.

However, if the presence of spirituality in one’s life is fostered and has a scientific, measurable impact on better emotional, mental, social health and life longevity, this would in fact have an impact on others in one’s life, and therefore, is not simply a personal matter.

If one’s physical health has a direct impact on the execution of the military mission, which the military has determined it does, and can influence its success and or failure, so too can one’s spiritual health. According to some scientific, non-religious, studies, when one is not spiritually healthy they can have a higher mortality rate than those who do not by nearly 25%; along with higher rates of stress, loneliness and depression. This can lead to higher rates in health related problems and suicide. That being the case, spirituality is far from being a merely personal matter. It is a matter that impacts all of us and the mission.

This article from the National Institute of Health recommends that Health Care providers ask the following questions of patients by using the FICA method of taking a spiritual history:

**Faith and belief.** Ask: Are there spiritual beliefs that help you cope with stress or difficult times? What gives your life meaning?

**Importance and influence.** Ask: Is spirituality important in your life? What influence does it have on how you take care of yourself? Are there any particular decisions regarding your health that might be affected by these beliefs?

**Community.** Ask: Are you part of a spiritual or religious community?

**Address/action.** Think about what you as the health care provider need to do with the information the patient shared. For example; refer to a chaplain, meditation or yoga classes, or another spiritual resource. It helps to talk with the chaplain in your hospital to familiarize your-self with available resources. (Copyright © Christina M. Puchalski, MD, 1996.)

Role of Spirituality’s impact on Suicide rates according to NIH’s article (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3671693/ )

“Correlations between religion and spirituality and suicide attempt, completed suicide, and attitudes toward suicide are consistent with those found for depression, self-esteem, and hope. Those who are depressed, without hope, and with low self-esteem are at greater risk for committing suicide. At least 141 studies have now examined relationships between religion and spirituality and the suicide variables above. Of those, 106 (75%) reported inverse relationships and four (3%) found positive relationships. With regard to the 49 studies with the highest methodological rigor, 39 (80%) reported less suicide, fewer suicide attempts, or more negative attitudes toward suicide among the more religious and spiritual, [155–170] and two (4%) found positive relationships (one study in Delhi, India [171], and one in college students distressed over religion and spirituality concerns [172]).”

In short, my recommendation is that we begin to speak more openly of the role of spirituality, or at least as much as we do physical health, to its role in one’s overall health and potential mission impact. In having more open discussions about spirituality and health we can share the benefits we have experienced and encourage one another to move deeper into the exploration of the role of spirituality and our health. These discussions would not be opportunities to criticize someone else’s spiritual practices or judge another’s religion as being inferior to one’s own.

The Chaplain Team is here to assist you no matter where you are with spirituality – there is no judgement nor any preaching as to what, “you should do.” Start the exploration. It’s worth it.

I want to encourage supervisors, shirts and all wingman to speak more about the role of developing a personal spirituality and its impact on overall health in the work place and on the mission. The FICA model above is a generally good guide when you see someone struggling or in guiding conversations. Know that you are all valuable, important and very much cared for! We are a family here at Barnes.
With the start of a new fiscal year comes the start of a new year for the flu. Influenza is a highly contagious viral infection of the respiratory system, causing symptoms like fever, severe muscle aches, and in the worst cases, illnesses were reported, 960,000 hospitalizations occurred, and 79,000 lost their life to this virus. It’s an unfortunate tragedy that can be ultimately minimized by getting the vaccine before the October time frame.

In 2017 to 2018, 49 million flu-like illnesses were reported, 960,000 hospitalizations occurred, and 79,000 lost their life to this virus. It’s an unfortunate tragedy that can be ultimately minimized by getting the vaccine before the October time frame.

Like some viruses, influenza comes in different forms. The most common forms are strains Influenza A and Influenza B. Each season, these strains undergo a change called antigenic shift, meaning that the makeup up the strain is rarely ever the same with each season that passes. This is why getting up-to-date vaccination every year is essential to keep yourself and those around you safe from this virus!

You may hear, that some believe the vaccine, “makes them sick.” This itself is not necessarily true; what you are doing with the vaccine is helping your body form a defense against if, or when, you actually become exposed, and therefore have a safe-guard in place to effectively defeat this virus!

You may feel some sense of sluggishness after receiving the vaccine, but this is just your body working hard to develop a resistance.

In order to be the world’s strongest air force, we as Airmen need to have the world’s strongest immune system to maintain readiness. Getting this vaccine is not only doing service to yourself, but a service to the men, women, and children around you everyday that could benefit from one less carrier of this deadly virus. One team. One fight.
Integrated avionics technicians are responsible for maintaining the communication and navigation systems, automatic flight controls, radar, and targeting systems on the F-15 Eagles.

The expertise and teamwork displayed by the avionics team at the 104th Fighter Wing ensures safe and reliable aircraft, allowing pilots to execute their mission successfully.

“It’s so integrated that everybody has knowledge in every system and how they work with each other,” said Staff Sgt. Kyle Cote, 104th Maintenance Group integrated avionics technician. “Because we have so many systems, there is something every day that requires our attention. We go out, troubleshoot, and fix it.”

Avionics red ball maintenance crews help with sortie generations by responding to any potential avionics issues that occur within two hours of a flight and providing immediate maintenance assistance, when possible.

“It is something where the pilot is already in the seat, and they call in to say something is not working properly,” said Cote. “That’s where the red ball crew comes in, and we fix it on the spot. We might even change parts on the go while they’re waiting to take off so we can get them up in the air.”

For Senior Airman Mike Papoutsakis, 104th MXG integrated avionics technicians, some of the more complicated tasks he encounters are his favorite part of the job.

“I like when a job isn’t just a simple fix,” said Papoutsakis. “When you actually have to read more into how the system operates, and you go into wiring diagrams and schematic diagrams and you have to trace signals.”

The avionics Airmen display their dynamism by working as a team to reliably accomplish the more than 200 tasks they are responsible for.

“There’s a lot of stuff where one person might have seen it before, and that’s the only time it’s ever come up,” said Cote. “Having a diverse team that can come at it from a couple different angles is huge.”

Airman 1st Class Justin Marshall, 104th MXG integrated avionics technician, explained one of the ways an issue can become complex.

“One bad part can be a problem for multiple systems,” said Marshall. “It’s all integrated.”

Colonel Andrew ‘Bishop’ Jacob, 104th Operations Group commander and an F-15 pilot, said the work the avionics Airmen accomplish is crucial to the pilots’ success in the sky.

“The avionics systems on the F-15 are critical to what we do in the air as pilots,” said Jacob. “Avionics personnel are responsible for the components that ensure pilots have offensive capability with the radar, defense capability through the Radar Warning Receiver, and situational awareness using systems like Fighter Data Link. They are also responsible for safety of flight systems that allow us to aviate, navigate, and communicate. Without avionics, the F-15 is a loud and fast Cessna 152 that would be better suited on the general aviation ramp instead of the Barnes Air National Guard Base fighter ramp.”
Headlines & Highlights
104th Public Affairs Office

- Weapons Qualifications
- Polish National Credit Union Tour
- 72nd Air Force Birthday
- Yellow Ribbon
- We are the 104th Fighter Wing
- Bronze Star Recipient
- Col. Jacob’s Promotion
### Highlights, Welcomes, Farewells and Promotions

**104th Public Affairs Office**

<table>
<thead>
<tr>
<th>Highlights, Welcomes, Farewells and Promotions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9/11 Rememberance Ceremony</strong></td>
</tr>
<tr>
<td><strong>Welcomes</strong></td>
</tr>
<tr>
<td>Airman Basic Luis Soto Soldevilla</td>
</tr>
<tr>
<td>Airman Basic Kevin Jose Bermudez</td>
</tr>
<tr>
<td><strong>Farewells</strong></td>
</tr>
<tr>
<td>Tech. Sgt. Jason Parent</td>
</tr>
<tr>
<td>Master Sgt. Patrick Sullivan</td>
</tr>
<tr>
<td>Master Sgt. Dustin Buck</td>
</tr>
<tr>
<td>Master Sgt. Barbara Plotniak</td>
</tr>
<tr>
<td>Master Sgt. Timothy Schilling</td>
</tr>
<tr>
<td>Master Sgt. Neftali Rivera</td>
</tr>
<tr>
<td>Senior Master Sgt. Scott Sanderson</td>
</tr>
<tr>
<td>Chief Master Sgt. Thomas Puccio</td>
</tr>
<tr>
<td><strong>Promotions</strong></td>
</tr>
<tr>
<td>Senior Airman Bradford Thompson, AMXS</td>
</tr>
<tr>
<td>Tech. Sgt. Morgan Trede, CES</td>
</tr>
<tr>
<td>Tech. Sgt. Bryan Boudreau, AMXS</td>
</tr>
<tr>
<td>Capt. Brian Burke</td>
</tr>
<tr>
<td>Capt. Colin Maceachern</td>
</tr>
<tr>
<td>Capt. Michael Bednaz</td>
</tr>
<tr>
<td>Col. Andrew Jacob</td>
</tr>
</tbody>
</table>

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