



Spokane Turbine Center

Training is our purpose, missions is our passion.

AIRVENTURE™

The World's Greatest Aviation Celebration

JOHN DEERE

AeroShell

Samaritan's Purse Kodiak



More Kodiaks to Missions

Two more missions Kodiaks flew off the runway from Sandpoint, ID (Quest Aircraft Company) to their respective mission aviation agencies this Spring. The recipients of these aircraft were Samaritan's Purse and Mission Aviation Fellowship (MAF). Samaritan's Purse, located in Boone, NC focuses on humanitarian relief to the "poor, sick and suffering" around the world. Franklin Graham, CEO, an accomplished pilot himself, picked up the Kodiak this past June, 2009.

Mission Aviation Fellowship, headquartered in Nampa, ID received their aircraft sporting MAF's traditional red/white paint scheme with logo. This particular Kodiak will head off to Papua where MAF reaches some of the most remote and least evangelized people groups in the world.

MAF Kodiak



Missions Theme at Oshkosh

Oshkosh, WI. Most people think of overalls and denim when they hear the name, but we're thinking AIR SHOW! For one week out of the year, Oshkosh is the busiest airport in the world. Each year the Experimental Aircraft Association (EAA) conducts their annual AirVenture air show. At AirVenture 2009 you will find representatives from just about every aspect of aviation, "... from NASA and the military to mega-dollar business-jets, ultralights, pilot-training companies and gadget manufacturers. If it has something to do with aviation, it's here." (www.airventure.org)



AirVenture 2009 is unique this year, featuring the major theme entitled "Fly4Life." This celebrates the work of mission and humanitarian aviation work around the world of which missionary aviation is the predominate part. If there were ever a time for a mission training organization like Spokane Turbine Center to shine, this is the moment. The timing for such a theme couldn't be more perfect as we are looking forward to officially opening the doors to our new training facility this September in Spokane, WA.

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A note from the Executive Director



Oshkosh, more than overalls b'gosh. *Fly4Life* is the theme, Oshkosh is the place. This year we in mission aviation have an unprecedented opportunity to present what we do, and why we do it to the general public. Like Paul on Mars Hill in Acts 17, we in mission aviation have the opportunity to introduce something a little different, and vastly more life changing. In the midst of the largest collection of general aviation aircraft in the world, we have the opportunity to tell a different story. Not about performance, but passion. Not flying for a living, but flying to save lives. In a city full of idols Paul stood on Mars Hill and proclaimed the one true God, transforming ignorance into knowledge. Some scoffed, as a man I met at Oshkosh last year did when he grew to understand what we do. To some, Christ's life, death and resurrection to save us from our sin seems ridiculous. Our efforts to bring the Good News of that resurrection to the most remote corners of the planet, will sometimes fall upon deaf ears. Others however, will hear and believe. They will see the hope in Christ, and the difference a plane and pilot can make in the lives of people cut off by physical and political barriers. The young men and women that will go to Oshkosh this year to represent STC and our partner, Moody Aviation, will get just a taste of what Paul felt on Mars Hill; idols and truth, scoffers and believers. *Fly4Life* is not just our theme, it is what we do. Come, get involved in something bigger. Pray for us as we represent missionary aviation to a world that needs Christ. Sponsor a missionary pilot and help him or her get the training they need to *Fly4Life*.

Jeffrey M. Turcotte.

...Kodiaks to missions continued



Tom Hamilton, Co-Visionary and chief design engineer of the Kodiak, gives Franklin Graham the keys to a new Kodiak.

The Kodiak is the first plane designed for and by missionary pilots. Due to the high cost and ever-diminishing supply of avgas (which the average mission aircraft uses), it has become necessary for mission aviation agencies to begin transitioning to turbine powered aircraft (like the Kodiak) that utilize inexpensive and readily available jet fuel. As mission organizations continue to receive more Kodiaks and other turbine powered aircraft, the need for turbine training will rise significantly.

Spokane Turbine Center (STC) exists to meet this need. With board members representing the major mission aviation organizations (MAF, JAARS/Wycliffe, New Tribes Mission) and a strong cross section of the mission aviation community, STC is strategically positioned to support the entire mission community in a way that will save thousands of dollars

for missions. Currently, STC is the only organization that offers the mission aviation community all the required training, at a single location, for an affordable price.

The body of Christ working together for a common goal is what STC is proud to be a part of. At the dedication ceremony, John Boyd, president of MAF said, "The unprecedented cooperation between missionary organizations that made this day possible is a model for 21st century missionary efforts." Quest sells the turbine powered Kodiak to mission agencies at a steep discount. STC then trains pilots from the various agencies, providing them the transition turbine training and glass cockpit instruction they need to get back to the mission field. Paul Bergen, Manager of Flight and Maintenance Training at MAF said, "This kind of training will be critical to safety and stewardship of funds."



Paul Schaller, CEO/Quest Aircraft Company, hands the keys of a new Kodiak to John Boyd, President/MAF.

The new MAF Kodiak will serve here in Papua. (left to right: Papuans eagerly await the arrival of mission aviators; a Papuan mother and baby are life-flighted out for a medical emergency; Papuans receive supplies; grass airstrip carved out of the jungle) Photos courtesy of Erick Danzer



...Missions theme continued



Every year, tens of thousands of aviation buffs commune together at what is more commonly known as “Oshkosh”. Some fly in and set up tents, others drive campers in for the week. This year, they will all have the opportunity to learn what mission aviation is all about.

A Fly4Life tent will be the center for the missionary aviation effort where all the main events will be happening. Here, you will find a replica of Nate Saint’s aircraft from Palm Beach in Ecuador.

As you walk through the tent, you will find intriguing information about Missionary Aviation as shown on storyboards and through video presentations. You’ll encounter 36 other missionary aviation organizations all under the banner of the International Association of Missionary Aviation (IAMA). You will find STC at site #149 just outside the Fly Market. Just look for the yellow Kodiak airplane.

To see a virtual tour of the Fly4Life tent, go to www.YouTube.com and search for the video titled “Fly4Life Tent Walkthrough - Oshkosh 2009”. The Fly4-Life Tent will be staffed by members from Spokane Turbine Center, Moody Aviation, and a host of others intricately involved in missionary aviation. You can find out more by going to www.fly4life.org. We’ll see you there!



Photos courtesy of EAA

The “Brawn, Brains and Beauty” of STC Training



The brawn behind the missionary turbo prop aircraft is the PT6 engine (Pratt & Whitney). The PT6 on the Kodiak has 750 horsepower that launches the Kodiak off the ground in 750 feet. But, this \$300,000 power plant makes for very expensive on the job training. STC offers comprehensive PT6 training for pilots and mechanics.



When things go wrong in the air, pilots often have one chance to get it right. What does an engine failure feel like when you take it all the way into the trees? How will I perform with a complete electrical failure in bad weather? The time to answer these questions is before they happen for real.

In a few intense hours in STC’s Kodiak full-motion flight simulator we answer these questions and give critical life saving skills to the pilot. Train like you fly--fly like you train.

STC has Kodiak serial #0001, the best performing 10 seat, backcountry, turbo prop on the market--the first aircraft designed for and by missionary aviators. In Spokane, we don’t just have the airplane, we have the backcountry too. In just a few minutes you could be looking up at mountain goats or chasing elk off the sloped grass runway you’re landing on. The landscape here in Spokane has its own unique beauty and makes flight training a rewarding experience.



The Brains behind modern missionary aircraft is the G1000 (Garmin). This state of the art, technologically advanced flight deck has satellite navigation, synthetic vision, downloaded weather and a host of other options. The G1000 is a lot of things, but with 98 buttons and knobs, it is *not* intuitive. 12,000 feet in the air at nearly 200MPH, in an aircraft costing \$500 per hour is the wrong place to be learning how this all works. STC offers touchscreen training on the G1000. Know before you go!

In May of 2008, I joined the STC team as Assistant to the Director. I learned of the need for and became passionate about missionary aviation through my husband Ryan, who has been a flight instructor at Moody Aviation since 2006 and is a 2004 graduate of Moody Aviation. Moody has a 60 year history of training missionary pilots; in fact, over 50% of the world's missionary pilots are graduates of Moody Aviation. I am currently working for STC at the Moody hanger (which is just down the runway from STC) while renovations to our facility are being completed. During this transition I have been able to share some of my time with Moody Aviation, with whom we look forward to working closely for years to come.

Partnerships are an important part of missions around the world and are the reason that Spokane Turbine Center exists. As the missionary aviation community transitions to turbine powered aircraft, there is an overwhelming need for cost-effective training. As part of the STC staff, I am excited to help fill that need and honored to be a part of this vision!



Ryan and Toni Fleischer

Toni Fleischer
Assistant to the Director

OUR PURPOSE....
is to provide high quality, cost-effective turbine training to the mission aviation community.

OUR VISION....
is to help reach every nation with the Gospel of Jesus Christ.

Renovations Underway

A lot has been happening this past year in Spokane. STC's facilities have been undergoing renovations since January of 2009. Quality is a vital component of what we are about. Having the right training, the right tools, the right staff and the right facilities all at one location are all part of a strategic plan to minimize costs for the kingdom and ensure that our missionary aviators are as safe and effective as possible.

The missionary pilots that walk through these facilities this Fall will undergo training that will equip them to fly and maintain turbine powered aircraft. They will also learn how to operate a glass (computerized) cockpit which is a world away from the steam gauges most of them are used to. After that, they will head off to the mission field, providing a lifeline (both physically and spiritually) to hurting people in the most isolated areas of the globe. They will deliver food, medicine and Bibles. They will perform emergency evacuations for those needing serious medical treatment. They will support local missionaries and Bible translators and enable them to do their jobs effectively. This is a team effort for sure. Will you help by praying for and financially supporting the ministry of STC?

Photos courtesy of Quest Aircraft Company, Erick Danzer, Dale Stroud, Bill Kilgore, and the Experimental Aircraft Association



STC is a non-profit ministry. We depend on the Lord providing for our financial needs through the generosity of other believers. Will you prayerfully consider partnering with us in helping to finance these renovations?

Make Checks Payable to:
Spokane Turbine Center
5629 East Rutter Avenue
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STC is a 501(c)(3) organization and will issue a tax deductible receipt for your donation

(top-left) training classrooms; (top-right) finished simulator room with electrostatic flooring; (bottom-left) footers being poured for Garmin 1000 (glass cockpit) and systems classroom; (bottom-right) STC's full motion flight simulator under construction and set for a July 2009 delivery date. STC facilities will house the only Kodiak specific simulator in existence.