

**MMS** Aviation  
Missionary Maintenance Services

# GROUND CREW

*She will bear a son, and you shall call his name Jesus, for he will save his people from their sins. -Matthew 1:21*

*Call his name Jesus*



Adelsberger



Campbell



Carter



Cleator



Coates



Dodson



Dunkley



Egbert



Harper



Haver



Jarboe



Johnson



Johnson



Jutte



Lawson



Liff



Maddux



Martel



Martin



McClary



Newman



Obarow



Schwartz



Sensenig



Shearer



Shelly



Sperling



Wagner



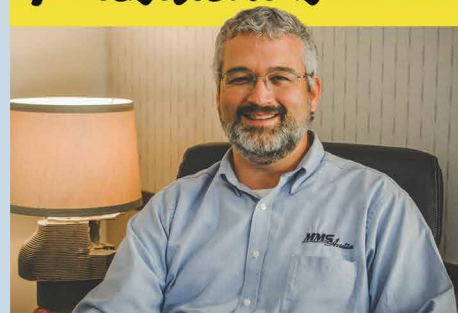
Winsley



Woods



## President's PEN



*I*t was an audacious claim. Actually, it would have been audacious had it been spoken by anyone other than the very Son of God:

"The Spirit of the Lord is on me because he has anointed me to proclaim good news to the poor. He has sent me to proclaim freedom for the prisoners and recovery of sight for the blind, to set the oppressed free, to proclaim the year of the Lord's favor." Luke 4:18-19

Jesus stood in the synagogue of his hometown, Nazareth, and read those words. Then he rolled up the scroll, sat down, and with every eye on him (surely among them were some who had known him since he was a boy) said, "Today this Scripture is fulfilled in your hearing."

The hope of the nations is found in Jesus Christ, who through proclamation of His word releases the chains of oppression, bondage, and disease. The word of God tells the way of salvation through the blood of Jesus, making a way for all who believe to receive forgiveness of sin and eternal life.

This is why we are here! Right now in our hangars we have aircraft and engines that will be stationed in Honduras, Guatemala, Haiti, Eswatini, the Philippines, and more. These will carry nurses, teachers, translators, and preachers whose hands will deliver mercy and whose words will proclaim the favor of the Lord on the nations through Jesus.

During this seasonal celebration of our Lord's birth, may He renew your hope and joy as you read His word, gather with loved ones, and rest in freedom and favor, and the eternal glory that we will share together. Until then, may we be faithful and abundantly hopeful!

Merry Christmas!

*Phil*

Phil Maddux, President & CEO

*Some, but not all, of the MMS staff, apprentices, and families after a recent gathering.*



**MMS** Aviation

[www.mmsaviation.org](http://www.mmsaviation.org)

24387 Airport Road, Coshocton, OH 43812 • 740-622-6848 • 740-622-8277 fax • [admin@mmsaviation.org](mailto:admin@mmsaviation.org)



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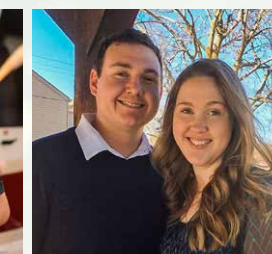
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# Preparing people and planes for worldwide missionary service.

## Sperling Arrival

The Sperling family arrived in Coshocton this fall to begin the maintenance apprenticeship program. Phil and Becca have two daughters, Eliza and Janey. They had been living in the Kansas City area where Phil was serving as a youth pastor. While Phil is in his apprenticeship, Becca will use her photography skills to help MMS with graphic media and publications.



Matthias and Karin Reuter, of Mercy Air, are at MMS Aviation to monitor the progress of the work on their third helicopter, which will be stationed in Eswatini.

## Helicopter News

Helicopters have been used in missionary aviation for more than fifty years. However, the percentage of helicopters to airplanes in the overall mission fleet has been small. That percentage is rapidly increasing. Historically, fixed wing aircraft have been less expensive to obtain, operate, and maintain. But with the increasing number of turbine-powered airplanes in missionary use, the economic gap has decreased.

Even STOL (Short Take-Off and Land) airplanes require runways that must be built and maintained. This isn't always possible, and any village with a soccer field has a heliport. (A theory, yet untested, is to drop a few soccer balls into a village that has no place to land, wait a month, and there will be a place to land a helicopter.)

MMS Aviation has, in the past several years, assisted Mercy Air with preparation of a medical airlift helicopter for utility service, and the upgrade of another. In the hangar now is their third one that is being converted from medical airlift to a utility configuration. It is to be placed in the country of Eswatini. In this process, avionics and other upgrades are being done, which makes their three Airbus AS350 B2 helicopters identically equipped.

The Mercy Air organization is multi-national, and their helicopter operation operates primarily out of South Africa but is headquartered in Switzerland. Helicopter Program Director Matthias Reuter has visited MMS during each of the helicopter projects to ensure that the finished work will meet their operational requirements. It has been a privilege for MMS personnel to get to know Matthias, his wife Karin, and various volunteers who have participated in the work on Mercy Air's helicopter fleet.

Matthias explains the unique systems and maintenance requirements of Mercy Air's helicopter.

## HANGAR HIGHLIGHTS

### A bit of what's happened recently

**Chris Jutte** has been leading the refurbishment of a Cessna P206. This aircraft had sustained accident damage and was purchased by a ministry for service in Honduras. Chris has been assisted by **Joshua Johnson, Matt Carter, Matt Woods, Jack Harper, Tyler Sensenig, and Chuck Egbert.**

Refurbishment of the 182 for service in the Philippines continues to move forward but has slowed temporarily while personnel were redistributed to a higher priority project. **Dale Coates** is the project leader, assisted by **Rebekah Martel, Ben Winsley, Jay Shearer, Jack Harper, and Jenny Haver.**

A Cessna 206 arrived in a shipping container after having made the long journey from Togo, West Africa. Supervisor **Chuck Egbert** and **Andrew Johnson** were in Togo to help with disassembly and packing the aircraft. The container arrived safely, and the aircraft was reassembled and given

an annual inspection. **Jenny Haver** led this project with the help of **Chuck Egbert, Jack Harper, Jay Shearer, Andrew Johnson, and Austin Cleator.**

Work has resumed on the Mercy Air Helicopter. We provide avionic services and other assistance as needed. **Mike Dunkley** and **Jim Newman** are installing upgraded avionics, and **Tim Obarow** has assisted by fabricating some of the upgraded components.

Personnel have been assigned to assist with work on a Pilatus Porter for service in Guatemala. **Kyle Wagner**, a recent graduate from the apprenticeship program, has worked with **Chris Jutte** and other apprentices. They have made significant progress, and the plane is on its wheels.

The Airvan that is used to reach remote areas of Haiti is in the hangar for an annual inspection **Austin Cleator** is managing the project details, and is assisted by **Jay Shearer, Andrew Johnson, Dale Liff, and Phil Sperling.**



Austin Cleator, Andrew Johnson, and Jay Shearer give the Airvan an annual inspection.

## Engine Shop

**Josh Adelsberger** has been busy in the engine shop with several engines. **Tyler Sensenig** assisted with overhaul of an O-470 for the Cessna 182 that will go to the Philippines. **Dale Liff** helped overhaul a TSIO-520 to be used by Mission Aviation Fellowship. **Sharee Sensenig** is working on a prop-strike inspection of a Continental IO-520. Josh has begun to disassemble and inspect the internal components of an O-235 that will be overhauled and returned to ministry in Alaska.

## Global Responses

**Rebekah Martel**, and **Tyler** and **Sharee Sensenig** completed their avionic work in Palau for Pacific Mission Aviation, then traveled to Oshkosh, WI, to represent MMS at AirVenture. Although severely jet lagged, they did a great job.

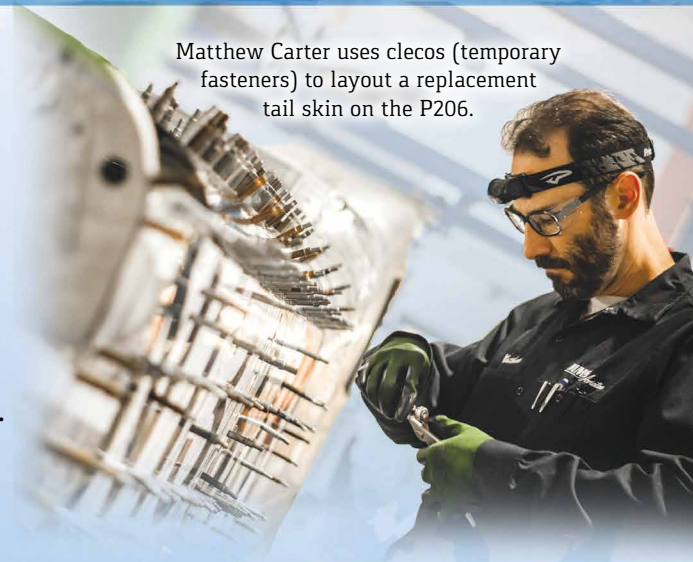
**Mike Dunkley** traveled to Zambia with his wife and grandson to install avionic equipment in some of Flying Mission Zambia's fleet.

Sharee Sensenig torques the engine case bolts to obtain final measurements before reassembly.



## Building Maintenance

**Bob Campbell** has completed the installation of a new booth for paint prep. This is a place to safely remove paint and clean metal surfaces before the components are moved into the paint booth. He has also moved all of the building maintenance equipment and supplies into the new plant maintenance barn, dubbed "Bob's Barn."



Matthew Carter uses clecos (temporary fasteners) to layout a replacement tail skin on the P206.



Chris Jutte installs the floor panels on the Cessna P206