

RUN-UP



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CUSTOMER SPOTLIGHT Steve Schneider & Family

Our Customer Spotlight this issue features North Dakota aviator Steve Schneider and his family, as well as their business Schneider Aerial.

Growing up on a farm three miles outside Rugby, ND, Steve spent his childhood watching airplanes fly overhead. When a spray plane would pass by, he would jump on his bicycle and pedal as fast as he could to the field where they were spraying. "Usually they were already gone by the time I'd get there." Steve recalls with a chuckle.

As a young adult, he began working for Finley's Flying Service, running a ground spreader and driving trucks. "I shared my interest in aviation with Bill Finley," Steve says. "And he told me, 'Go get your pilot's license and I'll put you to work!'" In 1986, Steve earned his pilot's license and began flying for Bill in the Piper PA-25 Pawnee.

In 1990, Steve purchased Finley's Flying Service from Bill and it transitioned into Schneider Aerial. "When I acquired the business, it was very well established." Steve says. "In 1996, we added a ground sprayer. It's the perfect marriage: aerial and ground spraying." The company has grown over the years, providing both ground and aerial services to the

Kaelin & the Schneider Aerial Air Tractor



Steve, his wife Lori, & sons Kaelin, Jaden & Skylar

local community. They currently fly the Pawnee and an Air Tractor 502 Turbo, with most of their work being done within a 30 to 40-mile radius from Rugby. The aerial spraying season is usually late April through freezing, depending on the moisture each year. "It's a profession that takes dedication," Steve states. "If you're willing to put in the time and work, there's always a need for aerial spraying." And with over 16,500 flight hours, Steve has done just that.

While Steve was busy flying each summer, his wife Lori had her hands full raising their three sons: Skylar, Jaden, and Kaelin. Not only have they all worked for the family business over the years, but all three are licensed pilots. "All the boys had an interest in flying growing up, but I never guessed all of them would end up with commercial ratings!" Steve proudly says. Skylar is a private jet pilot, based out of Bismarck. Jaden is flying for Schneider Aerial and has started his own seed sales business, Schneider Ag Inc. Kaelin currently is the Lead Flightline Technician at Bismarck Aero Center, but he recently earned his commercial rating and is headed back to Rugby to start working in the ag business.

"I hated flying as a little kid, because I used to get sick." Kaelin shares. "But I always enjoyed watching my dad spray." Kaelin moved to Bismarck for college and in 2014 he started flying. By the end of that year, he had his private

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CUSTOMER SPOTLIGHT

Continued

pilot's license. While working at BAC, he continued to train for his instrument and commercial ratings. "My family and friends at BAC really supported and encouraged me to get to this point." Kaelin says. "And now I want to see if spraying is the type of flying for me."

When Kaelin gets back to Rugby, he will begin training in the Pawnee. "It's amazing," says Steve. "The same aircraft I started training in in 1986, my sons are flying now." In addition to the Air Tractor and Pawnee, the Schneiders also own a Mooney and Super Cub. "One

of the most rewarding things for me," says Steve. "Is watching my sons growing up, having an interest in aviation, and following their dreams."

For anyone interested in getting their pilot's license, father and son have some sound advice. "Go out to the airport, take an intro to flight lesson." Says Steve. "You won't lose anything by getting your license; it may even open some doors for you." Kaelin adds, "Once you start flight instruction, set your goals, push through it, and don't stop!"

SPOTTED ON THE RAMP



KBIS had a visit from a new Cirrus Aircraft Vision Jet! Called "The Personal Jet", it's designed to be flown by the owner and features some of the newest technology in the industry.

BAC is a proud to be an Air Elite FBO & provide great service to all our customers.



PRODUCT SPOTLIGHT

S-TEC 3100 Digital Flight Control System

If you're looking for a new, top-of-the-line autopilot for your aircraft, the S-TEC 3100 DFCS might be just the thing for you! Genesys Aerosystems recently announced the S-TEC 3100 Digital Flight Control System (DFCS), their most advanced autopilot for most types of single- and twin-engine aircraft to date. A fully featured, attitude-based autopilot, the S-TEC 3100 gives you a variety of new workload-reducing and safety-enhancing capabilities. Compatible with advanced digital sources and EFIS displays from Garmin, Aspen, and others, the S-TEC 3100's features are unmatched. They include precise digital flight control, 2-axis (3-axis on some models), automatic trim, as well as envelope protection/alerting. In addition, it has straight and level recovery, precision approaches/missed approaches, indicated airspeed hold, and altitude preselect.



To get more information on the S-TEC 3100 DFCS and all its uses, contact Lead Avionics Technician Kris Hexom at 701.223.4754 or krish@bismarckaero.com.

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QUARTERLY RECAP

Look at all the fun we had!



CONGRATS!



1. Ray & Kris visited with lots of folks at the 2018 Upper Midwest Aviation Symposium in March. **2.** Can anyone guess what our Lead Maintenance Tech Erik's favorite color is? **3.** Shae presenting one of the two lucky gift card winners at the 2018 Schedulers & Dispatchers Conference in February. **4.** A co-worker had an important birthday recently, so we pranked them with cups of water covering their office floor!

Kaelin, our Lead Flightline Technician, passed his commercial check-ride. Congrats on reaching your goal! Kaelin's next step: training as an aerial applicator with the family business in Rugby this summer. Be sure to wish him good luck on his upcoming adventures!

NEW FACES

Tanner Osborn, Full-Time Flightline Technician

Bismarck Aero Center welcomes Tanner Osborn as a full-time Flightline Technician! Tanner joins us with aspirations of expanding his career in aviation, in either the maintenance or pilot areas. Recently, he received his Private Pilot's license and is looking to continue with his pilot training.

Tanner has previous experience as a

flightline technician, and in the automotive industry as a Quick Lube Technician and at a local tire warehouse. On the side, he enjoys buying Subarus that need a little TLC and reselling them.

Tanner's enthusiasm for the aviation industry and his work ethic make him a great addition to our team. Welcome to the team, Tanner!



COME FLY WITH US

BAC Adds a Cirrus to Our Fleet

BAC is proud to announce a new addition to our aircraft fleet- a Cirrus SR22! Available for both flight instruction and rental, the Cirrus presents a different flight experience than any of our aircraft. So why should you consider flight training in a Cirrus? Our Lead Flight Instructor, Ray Brooks, has a few reasons:

“As the world is changing, many aircraft and flight schools are living in the days gone by. A typical flight school is still offering training geared toward local fair-weather flying and “The \$100 Hamburger.” In many cases, they use the same airplane that was offered decades ago.

Flying isn't what it used to be 50 or even 10 years ago. Today's airspace is filled with airplanes that are capable of travelling faster, farther, and higher than yesterday's common aircraft.

Today's pilot has also changed with the generations. Pilots now are often busy with their career, glued to their mobile device, and wish there was more time to spend with family and friends. They want to use the airplane not only for fun, but also for business.

The old style of flight training is inadequate to prepare pilots for the challenges of safely and efficiently traveling thousands of miles in a single day, across multiple weather systems, and through many types of

airspace and terrain. Today's pilot needs think about these challenges from day one, and incorporate the required skills and resource management into every flight lesson. This method of training, called Scenario-Based Training, has proven to be extremely effective in other industries including medical, military, and law enforcement.

With a Cirrus, you will be able to go places you never thought you could go during a weekend or conduct business trips to multiple locations in a single day. Forget the two-day travel time for that meeting; conduct business 500 miles away and be home in time for dinner! Bring your clubs, skis and family in your personal aircraft and make the most of your time off.”

Interested in utilizing our Cirrus? Get in touch with Ray at 701-223-4754 or rayb@bismarckaero.com.



MAINTENANCE CORNER

“It is always a good thing to know your aircraft's limits to determine airworthiness for maximum oil consumption in both piston and turbine aircraft engines. Turbine engines do not generally consume oil, so you want to get that addressed if yours does.

For piston aircraft, Lycoming has a crazy formula to determine the limit of approved oil consumption: $.006 \times \text{BHP} \times 4 / 7.4 = \text{Hr/Qt}$. Teledyne Continental is even more ridiculous: $.006 \times (\text{Rated Power}) \times (\% \text{ power at which measured} / 100) \times (\text{hours duration}) = \text{amount of oil consumed}$.

What this all really means, is that smaller engines have a limit of approximately one quart for each two hours of flight. Larger engines (250/300+ horsepower) use approximately one quart per hour of flight. In conclusion, if you have to add oil every day, it's time to visit with your maintenance technician. If you're wondering how much oil your engine can leak, the above-mentioned limits might be the answer you're looking for. Happy flying!”

- Mike Aarestead, MAC Director of Maintenance



UPCOMING EVENTS

May 9th	Aviation Career Day (Bismarck, ND)
May 9th	FAA Safety Meeting, guest speaker from Appereo (Bismarck, ND)
May 22-24	Williston Basin Petroleum Conference (Bismarck, ND)
June 7th	BAC hosting Power of 100 (Bismarck, ND)
June 10th	Mandan Airport Fly-In & Pancake Breakfast
June 28-July 1	Ford Tri-Motor at the Bismarck Airport
Sept. 9th	Bismarck Airport Fly-In & Pancake Breakfast

TRIVIA

Last year marked the NDBAA's 15th Annual Aviation Career Day at Bismarck Aero Center. The event saw 65 volunteers, 18 different presentations and a record breaking number of students from 16 elementary schools. How many students attended?

- a) 502
- b) 635
- c) 788
- d) 858

Submit your answer by 5/25 for a chance to win a \$25 gift card! Contact Nicolette Derosier at 701-223-4754 or nicoletted@bismarckaero.com.

Last newsletter's correct answer was A. The HondaJet has many unique features, but it's one-of-a-kind design does not provide it with better anti-icing. Congratulations to Jay Wacker for being this quarter's lucky trivia winner!

Keep up to date with events, aviation news & cool aircraft! Follow us at:



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