



OX5 NEWS



Celebrating 61 Years: 1955 - 2016

Volume 59 - Number 2

August 2016

Annual Reunion Oct. 13,14,15, 2016

Published for and by the Members of the OX5 Aviation Pioneers

Web Site - www.ox5.org

61st Annual Reunion to be held in Oshkosh, WI October 13-15, 2016



Highlights include:

- ◆ Touring the EAA Museum and Air Academy
- ◆ Touring the Display Hangars at Pioneer Airport
- ◆ Running the OX5 Engine
- ◆ Chuck Sassara Presentation: Stories of Bush Pilot Adventures
- ◆ Tour of Sonex Aircraft Facility
- ◆ Presentation on Alaska, the Alaskan Wing and it's Bush Pilots
- ◆ OX5 61st Annual Reunion Banquet

We will be staying at the **Best Western Premier Waterfront Hotel & Convention Center**.
Special rate: \$99/ night. Includes free shuttle service to Appleton Regional Airport
(arrange 3 days in advance).

Conveniently located on the shore of beautiful Fox River in downtown
Oshkosh which is within walking distance of shops, restaurants, and the theater,
Call toll free: **1-855-230-1900** by **9-21-16** for the special rate.

Registration fee (includes all tours, banquet, transportation to events) \$75
Friday's lunch is sponsored by the Wisconsin Wing!

Send the registration fee of \$75 to OX5 Aviation Pioneers Headquarters by 9-30-16.
The form for registration is inside the newsletter with details. Please fill this out and send it to
Headquarters.

**61st Aviation Pioneers Annual Reunion
Oshkosh, WI October 13 – 15, 2016**

Registration due September 30, 2016 to OX5 Aviation Pioneers Office

For room reservations call:

Best Western Premier
Waterfront Hotel & Convention Center
1 North Main Street Oshkosh, WI 54903
1-855-230-1900

Call for a special room rate of per night of \$99.00 + tax (**must call by 9-21-16**)

✂ CUT HERE ✂

Registration Fee: \$75 (Includes all tours, Saturday's banquet, transportation to activities.)

Name (print): _____ Name (print): _____

Spouse, friend, member of Wing (which one?), Member At Large:

Title (if you are a newsletter editor, wing president, governor):

Mailing address: _____

✂ CUT HERE ✂

Return this completed form and your check by September 30, 2016.

Make checks payable to OX5 Aviation Pioneers for \$75

**Send to: OX5 Aviation Pioneers
PO Box 769
Troy, OH 45373**

SCHOLARSHIP AWARD WINNERS

The Scholarship Committee had many highly qualified applicants for the Education Scholarship Award. Because of this, it was decided to award one \$1000 scholarship and 5-\$200 scholarships to support these fine young people in their quest for more aviation training and schooling.



The **\$1000 scholarship** was awarded to **Sophia Lucas** of Germantown, Ohio by Ohio Wing President Tim Pinkerton. Sophie is a 4.0 student in high school who has soloed a Cessna 152 and accumulated 35 flight hours in several different vintage airplanes. She is going to use the scholarship to help pay for training to complete her private pilot's license this fall. Future plans include going to college for aeronautical engineering and completing several other ratings. John LaBarre wrote in his recommendation of Sophie: "She is an aviation ambassador already, who is rapidly developing her sense of purpose, which will be closely linked with aviation. Her exposure to vintage aviation gives her a unique perspective that is critical for the preservation of America's aviation heritage." Congratulations Sophie!

A **\$200 Scholarship** was awarded to **Jonathan Sanders** of Delona, Florida. Jonathan's life - long love of aviation has been fostered by his grandfather, Colonel Arthur Cunningham, a OX5 member who has recently been awarded the Master Pilots Award. Jonathan served in the United States Navy as a Cryptologic Technician Maintenance Man. He is now working on his own private pilot's license and is attending Embry Riddle studying Aeronautical Science.

A **\$200 Scholarship** was awarded to **Timothy Gregory** of Kettering, Ohio. Timothy is a Eagle Scout and has been awarded a full tuition Air Force ROTC scholarship for the duration of his enrollment at The Ohio State University and is studying to become an Astronautical Engineer. He has won the Scottish-American Military Society Cadet Excellence Award "For exceptional leadership ability, outstanding academic performance, and superlative military bearing." He currently is a student pilot with over 31 hours of flight training. He plans on using the scholarship for additional flight training towards an instrument rating.

A **\$200 Scholarship** was awarded to **Eric Almeter** of Strykersville, New York. Eric is described as being ambitious, having an outstanding work ethic, and working well with others and the public. "He is a self-starter and possesses remarkable problem solving abilities." He is currently attending the Pittsburgh Institute of Aeronautics and will use his funds towards his education in the Aerospace Maintenance Technician program.

A **\$200 Scholarship** was awarded to **Jason Grigoros** of Feasterville, Pennsylvania. Jason has had a dream of flying airplanes and grew up working in his father's automobile shop. Here he developed a passion for fixing and learning about complex machines. He currently attends the Pittsburgh Institute of Aeronautics and has a 4.0 GPA in the Aviation Maintenance Technology program where he will earn his associate's degree and Airframe & Powerplant Certifications. He is described by his instructors as being an "extremely hard-worker and is always willing to take time to help his classmates. He is genuinely a joy to teach."

A **\$200 Scholarship** was awarded to **Nicholas Grindstaff** of Wilmington, North Carolina. Nicholas has had a strong interest in space and flying since a young age. This interest has been fostered by excelling in the Civil Air Patrol where he has had many experiences in aviation. After a bad accident, he changed his plans from learning to fly to becoming an aviation mechanic and is enrolled at the Pittsburgh institute of Aeronautics. He current part-time employer says, "I can only say good things about Nicholas Grindstaff and when he leaves our establishment, I will miss his diligence and strong work ethic."

Funds are made possible, in part, from the generous gifts from the Colorado, Georgia, and Maryland Wings.

**(Historical Information Provide By Gordon Cumberland, OX5 Governor From
His Files Associated With The Illinois Wing That Has Now Been Dissolved)**

WORDS OF WISDOM FROM WAY BACK WHEN:

The runway behind you can't do you any good.

Three good rules for safe flying
Always keep flying speed.
Always keep flying speed.
Always keep flying speed.

Keep your nose low on the turns.

Try not to run out of airspeed, altitude, and ideas all at the same time.

The hardest student to teach anything to is one that knows more than the instructor.

Knowing when to make a 180 can add years to your life.

The most important bolt in an airplane is a loose one.

The propeller is the business end of an airplane, give it your profound respect.

The hardest part about flying the old open jobs was to get in them.

The higher the clouds, the finer the weather.

Long foretold, Long last....Small warning, soon past.

President's Message

Greetings Fellow OX5 Members:

We have experienced an interesting season of displaying and running our OX5 demonstration engines around the country. Here in Wisconsin, we expect to finish the season by participating at the annual Antique Aircraft Fly-In at Broadhead, Wisconsin and then move on to Pioneer Airport in Oshkosh, Wisconsin for our 61st Annual Reunion. This is an important part of our National Outreach Program.

I want to congratulate all the winners in the National OX5 Scholarship Program. Thank you to everyone who participated in this very worthwhile program. This is also an important part of the National Outreach Program.

In this issue of the Newsletter you will find the necessary information regarding our 61st Annual Reunion. We have a great program planned for you and I hope that many of you will be able to attend. I am looking forward to renewing old friendships and making many new ones. Best wishes.



Don Volland

National OX5 President



Secretary's Message

CONGRATULATIONS and THANKS FOR THE MEMORIES! CONGRATULATIONS to you for being a member of this prestigious and healthy organization. After over 60 years, the OX5 Aviation Pioneers leadership is making plans for the next 60 years and beyond!

It has been a pleasure to serve as your treasurer for a number of years, and then as your president and now as your secretary. Our success has been based on an outstanding leadership team and your support! Please join with me in support of your new volunteer leaders for 2017 and beyond.

"THANKS FOR THE MEMORIES"

James Beisner,

(Past Secretary/Treasurer and President)



Treasurer's Message

Greetings Everyone!

I had the opportunity to travel to Alaska this summer and spend time with the Alaskan Wing. It was an amazing experience to talk with these very special people; many of them are bush pilots with stories of true grit, ingenuity, skill, and a drive to serve their fellow Alaskans in every way possible. I will endeavor to pass on a bit of their extensive stories during a presentation at the National Reunion in October. They have stories that will take your breath away, laugh until you cry, and make you stop and think about what is important in life. As I go through the year and work through the material, I will send some of it periodically to the website and share some of it in the newsletters.

Thank you so much to all the members of the Alaskan Wing for all that you do and have done, and your most gracious hospitality.

I hope to see you all at the Reunion and that some day I will be able to hear many of your stories. I am sure that each of you has amazing adventures of your own to share too.

Janet Barnard

Treasurer & Headquarters Office Manager



Janet Barnard with Chuck Sassara and Oren Hudson (Alaska Wing President) at Merrill Field in Anchorage, Alaska.



Welcome To New Members



Welcome **Henry Hearne** from Shreveport, Louisiana! Henry's uncle, George Hearne was a World War I aviator and taught him how to fly. His uncle learned to fly in a Jenny - OX5.

Jim Okonek is from Anchorage, Alaska and writes that he is interested in meeting and sharing stories with the Alaska/Anchorage aviation community. Jim soloed and flew OX5 powered aircraft. Welcome Jim; enjoy the stories and history!

Russell Moriarity of Fort Wayne, Indiana is an A/P mechanic who is interested in rebuilding and restoring OX-5 and OXX-6. Welcome Russell and good luck on those projects!



Folded Wings



Mike Gretz flew west on January 15, 2016.

John F. Pereira "enjoyed getting together with the OX5 in Lakeland, Florida when he was able to attend Sun 'n Fun" writes his wife, Anne. John flew west on May 23, 2016.



Donations



Jerry Coles

Tom Beard

Gordon Cumberland

James Vest

We appreciate the donations from all of you - Many Thanks!



Wing Struts



Glenn Curtiss Wing

The Glenn Curtiss Wing met on June 20 and held elections for new officers which are: President, Pat Brady; Vice President, Art Wilder; Secretary, Norm Brush; and Treasurer, Jon VanDerhoof. They also voted to give a student a **\$300 scholarship** to help restore their P40 N and to help continue his aviation education. A new member, Janet O'Connell, was welcomed to their wing. More information about the annual picnic in October is coming.

Kansas Wing

OX5 Kansas Wing Board members: L to R: JoAnn Bailey, Sam Snyder, Jay McLeod, Harry Clements, Harold Walter, Joe Latas, Doug & Sabrina Moler, Bobbie Walter

Harry Clements had a interesting presentation at the March Meeting, "The Complete Cessna 620 Story". Thirty-five people attended the meetin. Harry followed up this presentation with another one at the July meeting entitled, "International Intrigue, Paper Clips, and Envelope Pushing Aeronautical Research - in Wichita". It will cover high lift boundary layer control research conducted by Wichita University and Cessna.



Photo by Dale Krebbs

Alaskan Wing

The Alaska Wing met at the Alaska Aviation Heritage Museum at Lake Hood for their annual picnic. A great deal of bush-pilot hangar talking was heard around the room. Janet Barnard, National OX5 Treasurer, was visiting to share in the festivities and meet with the Wing members. Everyone had a wonderful time!

Good times, delicious food, and great stories!



Wisconsin Wing

The spring dinner meeting of the Wisconsin OX-5 Wing was held May 28th with 22 members present. Plans for our involvement in July's AirVenture were discussed. The Wisconsin Wing will host the 2016 OX-5 Reunion at Oshkosh, Wisconsin Oct. 13-15. President Voland has met with officials at EAA and has many interesting activities planned. The Best Western Hotel in Oshkosh will provide our lodging which does include free parking and shuttle service. Hoping to see as many as possible in beautiful October in Wisconsin as possible. Lets make this the best reunion yet!

(Historical Information Provide By Gordon Cumberland, OX5 Governor From His Files Associated With The Illinois Wing That Has Now Been Dissolved)

Aircraft Engines in the 1930s

Although the depression had started in 1930, and would later have devastating effects on the aviation industry, there was great progress in aviation engines that year. There were a few aircraft that could still be had with the OX-5, but the usefulness of this dear old hot water eight was at its end. There had been sixtyfive ATCs for engines issued by the end of that year and twenty nine were issued in 1930. Higher operating temperatures and compression ratios were starting to be used plus superchargers and higher crankshaft speeds. All this resulted in a reduction of the weight-horsepower ratio plus the fact that engines were so reliable that engine failure was no longer a source of concern.

Many new records were being broken with these new improved power plants and foreign aircraft manufactures were starting to use our engines in great numbers.

The Allison Engineering Company, a division of General Motors, was mainly concerned with military power plants but was looking forward to commercial use also. The American Cirrus was building the four in line British engine under license. E. W. Bliss Co. was tooling up to manufacture the English Bristol Jupiter. Chevrolet Aircraft Company, affiliated with Glenn L. Martin was working on a four cylinder inverted engine of 120 HP. Comet Engine Corp. of Madison Wis. was continuing production on their model 7 E of 165 HP. Continental was busy with its A-70 165 HP engine but was working on a small four cylinder flat engine to be known as the A-40. Curtiss was building two large twelve cylinder plants. The Conqueror and the D-12. The Conqueror could be had with 2-1 reduction gearing and Prestone cooling. The Challenger was a six cylinder radial air cooled engine of 185 HP.

Dayton Airplane Engine Co. was developing its in line air cooled engines. Fairchild Engine Corp. was making both a six and a twelve cylinder inverted air cooled engine. Jacobs was building a seven cylinder radial and experimenting with a two cylinder opposed job of 25 HP. Lambert was going ahead with the M-5 and working on a larger 90 HP motor. The well known Le Blond Co. was concentrating on its two five cylinder and a seven can machine of 70, 85, and 110 HP.

The Light Mfg. Co. was starting production on the Brownback radial six. The Lycoming Co. had dropped the B-645 model and was specializing on the B-680 of 215 HP. The Packard people were well known for their water cooled engines of 600, 800, and 1000 HP of the V type. In 1930 however they brought out the first successful Diesel Aircraft engine and received an ATC. This engine, a nine cylinder radial of 225 HP was so simple and had so few parts that a good mechanic could disassemble it in seventeen minutes. This writer has always wondered why it dropped out of sight so sudden after its outstanding success.

OX5 Aviation Pioneers
P O Box 769
Troy, OH 45373

Web Site: www.ox5.org



MARK YOUR CALENDARS!

National Reunion

October 13, 14, 15 in Oshkosh, Wisconsin