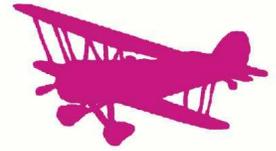




OX5 NEWS



Celebrating 66 Years: 1955 - 2022

Volume 64 - Number 2

Winter 2022 - 2023

Thinking Positive

Meet Your New OX5 President



I would like to take a moment and introduce myself. My name is Russ Berry and I am from Ohio. Aviation has always been my first love. I can remember standing next to the fence at our local airport and watching the airplanes arrive and depart. I am sure most of the commercial pilots in the club will remember North Central Airlines and the Blue Goose. These were the DC-3 's painted with a big blue nose art. I started flying when I turned 45. I paid my daughters last college bill, I then went to our local GA airport and talked to the local salesman about buying an airplane. I knew from talking to other folks that a tail dragger was the way to start. The salesman showed me a Piper Colt that was converted to a tail wheel and it had a mid-time O-320. He also mentioned that a couple of other guys were also interested in the airplane and might be interested in forming a club. It turns out that one of the other guys was our past president Tim Pinkerton. So where did the OX-5 fit in this time period? I got a call from Tim to meet him at the airport. He wanted to show me an airplane that had just arrived. It turned out to be a WACO model 4 with this water cooled V-8 engine with its valve train all exposed. It was an amazing site. The pilot climbed out and it was my first introduction to Jim Beisner. Our friendship grew over the years. This is also the time that WACO Historical Society was growing and needed volunteers. Jim, Tim and I helped out with the barn and cataloging the stuff that was donated to the new museum. One day a fuselage to a WACO 10 showed up with an engine mount for the OX-5 . Jim put the word out that we were looking for an engine and parts to build up this Model 10. !5 years later we had an airplane built and flying along with 3 surplus OX-5 engines.

Welcome To Your Position As President - Don Volland, Temporary Editor - OX5 News

(We have received permission to include certain parts of the WACO Word publication in this issue of the OX5 News. We hope that you will find the material interesting. Don Volland, Temporary Editor - OX5 News)

WACO Word

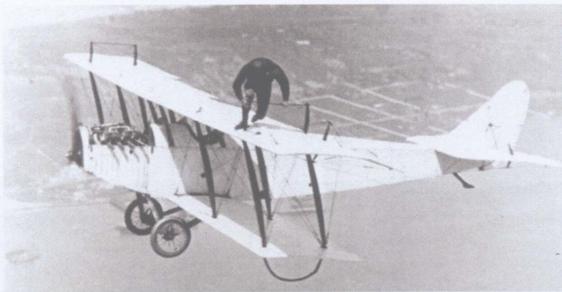
WACO Historical Society, Troy, Ohio

www.wacoairmuseum.org

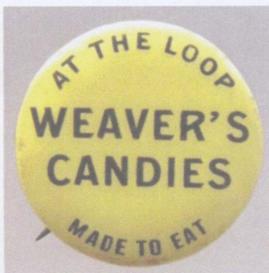


DID YOU KNOW...

Clayton Brukner was a wing walker!



The earliest days of the Weaver Aircraft Company were a time of unpredictable income and no reasonable opportunity to improve the company's financial outlook was overlooked. So it was that Buck Weaver's younger brother, Herbert H. Weaver, came up from Chicago, Illinois to visit his brother in Lorain, Ohio with a proposition. It was 1919, and Buck and his wife's brother Charlie Meyers were operating a flight school and barnstorming operation, known as the Ohio Aviation School, while at the same time working with Clayton Brukner and Sam Junkin on the idea of getting airplane manufacturing off the ground.



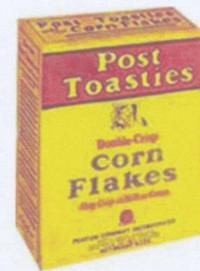
Grace Weaver, Buck and Herb's mother, was an accomplished candy maker and Herb, ever the entrepreneur, convinced Grace that there was a ready market for her confections. He was right, and Weaver's

Candies was born with Grace in the kitchen and Herb selling the products in Chicago. Herbert's plan was for Mother Weaver's Candies to find an additional market by being sold at Buck's fledgling airplane business. It was an idea that would soon take flight!

Herb would make periodic runs from Chicago to Lorain with mother Grace Weaver's candy products. They would find a ready market at the airfield, but would also take to the air. It was during this time that Clayton Brukner flew with Charlie Meyers while fulfilling a number of supporting roles for Charlie during his barnstorming and exhibition trips. Brukner would provide ground support, sell tickets, act as a mechanic when needed, and even wing walk to stir up the crowds!

It was for one of these trips that they came up with the idea of tossing "Mother Weaver's Candies" to the audience below while Brukner was out on the wing. The candies were individually wrapped and included a message of advertisement for both the candies and the availability of airplane rides. Clayton Brukner recalled some years later how he would wing walk for Meyers while Meyers would make a low pass over the gathered crowd at the fairgrounds where he would toss out the candies to the people below. Meyers would also toss out weighted colorful streamers over the side of the aircraft which advertised both the Ohio Aviation School and the Weaver Aircraft Company. Brukner claimed the candy was really outstanding and the promotion was considered a hit by both the aviators and the audience.

Brukner would even convince his old employer in Battle Creek Michigan, The Postum Cereal Company, to substitute small packets of cereal for the candy. Soon with Brukner on the wing and Meyers at the controls, little boxes of Post Toasties would rain from the skies over small towns, farms, and fair across the Midwest. These flyovers would create a lot of excitement with everyone running about trying to grab their free sample.



ALL AROUND WACO

JIM MCGARRY, PRESIDENT WHS

WACO's Learning Center Director, Nancy Royer, is named the New Executive Director of the WACO Airfield and Museum.

The WACO Board of Trustees have selected Nancy Royer to serve as its next Executive Director. Many of the WACO membership and the Troy community have come to know Nancy as the WACO Learning Center Director since 2013, but she now fills the Executive Director position that had been vacated by the retirement of Gretchen Hawk in early 2021. The Board unanimously supported Nancy's promotion to Executive Director as the most qualified individual to lead the organization as it celebrates the 100th anniversary of WACO aircraft production in Troy next year.

"Nancy has served WACO well over the past 9 years in her primary role of Learning Center Director, but also in fundraising, managing the ride program in our WACO Classic YMF-5, and assisting Gretchen and the Board" said Jim McGarry, current president of the board. "She is responsible for the success and growth of the Learning Center, its STEM programs, robotics teams and numerous educational programs for our membership and the surrounding community."

Please join us in welcoming Nancy to her new role, and the next time that you are in the Troy area, stop in at the museum to wish her well and see what the future will bring to WACO.



Congratulations Nancy! - OX5 Member # 23312

WACO LEARNING CENTER

Fall always brings fun to the WACO Learning Center. As the kids were getting ready to head back to school, we took our plane train to downtown Troy to participate in the community activities surrounding the Tour De Donut. The continuous long line proved we were a crowd favorite and our Learning Center display provided great exposure. Thank you to our wonderful staff and volunteers for transporting, setting up, and representing WACO Learning Center, and to our "pit crew" who had repair time down to a minimum. You gave our community a nice evening.

Aviation Cadets work on a variety of projects..... a WACO 10, the Tri-Pacer, or even painting a compass rose on the WACO apron. Great job team!

Our favorite fall event is our annual fly-in and what the Learning Center gets to add to the weekend. Glorious weather and beautiful planes made the perfect backdrop to see familiar faces and make new friends. We added more to our learning center area and were happy to see many families participate.

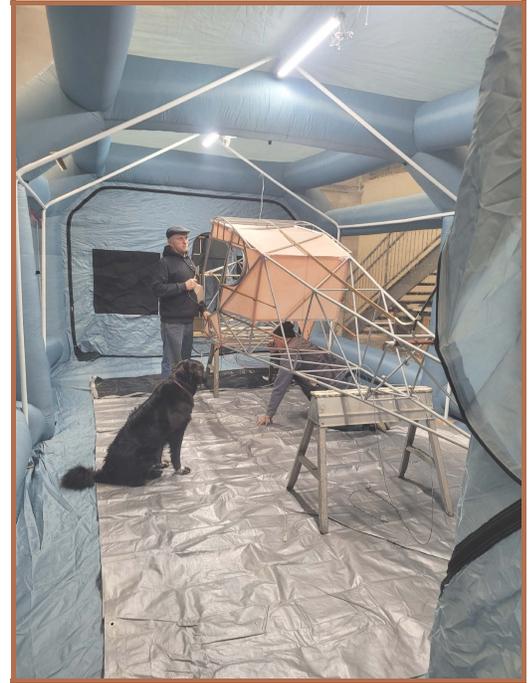
Our expanded area included aviation-themed Legos, puzzles, a selfie station, WACO coloring pages, and of course our paper rockets. Many colored their favorite WACO airplane, which we were able to share with the pilots at the banquet Saturday evening.

We were gifted an airplane playground piece and the fly-in was the perfect time to break it in. It has been such a hit with the kids and adults I'm not sure how we have operated without it! Thank you, Eric, Kelly, and Owen Cheatwood for thinking of the LC with your donation.

As with every season, we wouldn't have our Learning Center activities without our volunteers. Many thanks to each of you and we hope you rest up this winter. We have A LOT of fun filling our calendar in 2023!



Jim Beisner OX5 Member #L20517 reports - Photos by Russ Berry, Tim Pinkerton with the hat, our new inflatable paint booth, Students (seniors in an A/P school) are WACO Cadets that have restored a WACO and a Grumman aircraft and are now completing the Janet Barnard P A 17 project and another WACO as well as a PA22/20 project. We have about a dozen Cadets (students) and 6 adult instructors. They have recently completed the painting of a large compass-rose! Thanks to OX5 Pioneers for this successful program!!



Tim got a little high when he painted the pink stuff on the fabric! →



I WANT TO FLY!

BY STEVE STANFORD

Friday, October 21, 2022, was a sunny but breezy fall day, a bit cool, yet perfect for welcoming our latest addition to the museum. Clint Hansen's sculpture "I Want to Fly" was dedicated at the entrance to the main museum building. His piece representing a folded paper airplane soaring into the sky provides a perfect welcome for our guests with its images of WACO history and children imagining flight.

Of the artwork, Mr. Hansen tells us "I grew up with a fascination and love for airplanes, especially vintage biplanes.

My father was a pilot and so is my son, maybe someday I will finally get my license as well. As an artist with over 30 years of experience, many of my pieces involve flying. It was a desire to share that childlike passion for the airplane that

inspired the sculpture. The paper airplane is a toy we all played with, dreaming we too were flying like those we'd watch crossing the skies.

I guess I've never outgrown those dreams. Some of my illustrations are part of the sculpture, attempting to visually communicate the wonder of flight and the machines that make that happen."

"I enjoy creating stained glass, but for a public art sculpture, actual glass would be too dangerous, so the option of UV-protected acrylic panels was chosen. For the same reason, instead of the traditional lead came found in stained glass, aluminum and zinc were soldered together to create the frame. It is an honor and a pleasure to know the sculpture has found its home at the museum."



The piece was originally part of Troy, Ohio's Sculptures on the Square program for 2021. The theme of that year's event was "Take Flight". This piece sat outside of Dungan & LeFevre Law Offices at 210 W. Main Street. In a joint effort, Dungan & LeFevre and the National Aviation Heritage Area (NAHA) acquired the sculpture and donated the piece to the museum where it now greets our guests. Representatives from Dungan & LeFevre, NAHA, Miami County Visitor Bureau, the Sculptures on the Square program, and Troy Main Street were present with members from the WACO Board of Directors for the dedication and unveiling.

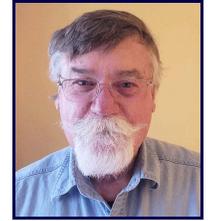
On behalf of the WACO Museum and our Board of Directors, we extend our gratitude to Dungan & LeFevre and NAHA for their gift of "I Want to Fly" to the museum!



Message From The Officers



President's Message:



Here it is the beginning of a whole new year. COVID is in its 7th variant. Many places are still trying to figure out whether we should mask or not. I saw two different Masonic Lodges close their doors due to the lack of interest. Even our OX-5 Club at one time had close to 1600 members. We are down to a couple hundred members and dropping. Like so many organizations we are trying to redefine our reason for being. Where do we go from here? We have had our time in the limelight it is time we pass it on. I feel that the future is in the younger generations coming up behind us. We need to pass on the knowledge we have gathered over the years to these younger minds. Inspire them to put down that electronic devices and get some dirt under their nails. Show them what they can actually do. We have a Cadet program that the Ohio branch has developed to get the kids to restore some of these aircraft. This program is not a show and tell but rather; let's get your hands dirty because you can do this. We pair up a couple of kids with an adult instructor and they work on a project. It could be fabric covering a control surface to painting a wing. We are working with a local welding school to have their students work with ours to show them how to weld. So yes, I believe that the OX-5 Club does have a purpose. It could be as simple as providing some funds to differed programs or better yet give some of you time to these programs to move this great organization into the future.

Russ Berry
 National OX5 President
 937-405-7183
berrygoodwine@yahoo.com

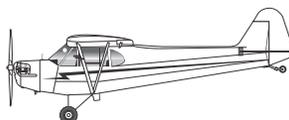
Treasurer's Message:

Welcome 2023 – I am looking forward to a year filled with adventures and great times with friends – both old and new. Our Ohio winter teases us from below zero up to 60 degrees – snow drifts melting overnight.



Good flying weather will be starting soon and spring is always a good time to get the planes out and give the hangar a good cleaning – finding “lost” treasures and unfinished projects. A big thank you should be given to Don Voland for continuing to create our newsletters - keep our membership up to date and much more behind the scenes to keep the organization running smoothly. Please renew your membership dues quickly by check or PayPal. Extra donations go to fund scholarships for the next generation. Thank you for your support.

Patty Wagner
 National OX5 Treasurer
 937-999-9594
nc7444h@aol.com

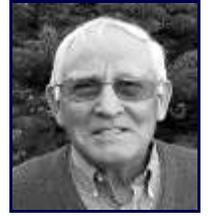


Message From The Officers - Continued

Secretary's Message:

Greetings OX5 Members:

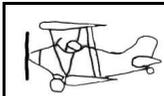
You will find forms in this Newsletter for the OX5 Scholarship Program and OX5 Regular Membership Renewal. I plan to send out new OX5 Membership Cards to Life Members in the near future. A big **Thank You** to everyone who contributed material for this Newsletter. I hope that you find it interesting.



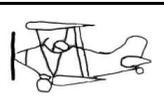
To qualify for the bulk mailing rate for our Newsletters that go out in the US mail, we have reached the point where we need to send out a copy to all members. We will still post the Newsletter on the OX5 Web Site and send a link to those who want to download the file via email. Remember that the email file and the one on the Web Site will be in full color but the one via US mail will only have the front and back pages in color.

This has been a strange season weather wise in our part of the US. The temperature has varied from well below zero to plus 60 degrees. I appreciate having an office in my hangar that is heated and air conditioned. I have converted part of my office to an "aircraft factory" for working on my Experimental Aircraft Project. I started this project over 60 years ago and hope to start taxi tests this coming spring. Best wishes and happy memories.

Donald Voland
National OX5 Secretary
262-642-3115
aerooptics@aerooptics.com

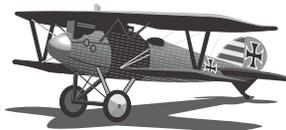


Flown West



It has been reported that the following members have Flown West:

	Wing	Membership Number	Date
William Hately	Alaska	L-21682	Mar. 1, 2022
Norm Shuff	Wisconsin	20737	Jan. 26, 2022
Arthur Wilder	Glenn Curtiss	22592	Feb. 18, 2022
Jack A. Nelsen	Texas	20863	Apr. 23, 2021
Charles Schuck	Capitol Area	12001	Dec. 9, 2022





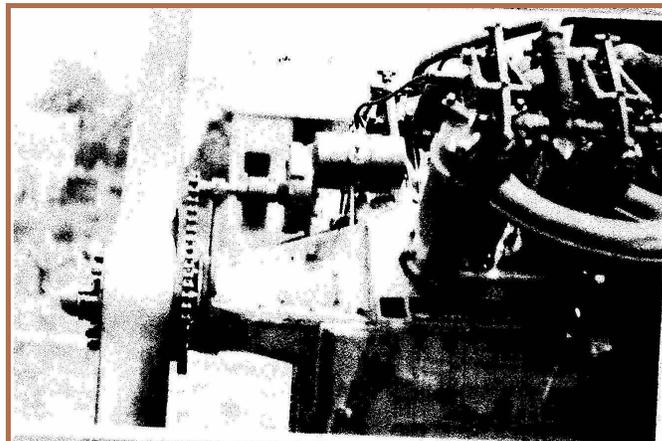
Wing Struts



Ohio & Midwest Florida Wings: Jim Beisner OX5 Member # L20517 provided the following information.

FYI (and perhaps for the newsletter) : Charles Kettering, in addition to his many accomplishments, (please research some of them) was interested in aviation. He owned an OX5 aircraft engine. (see photo) He used the OX5 for the development of the first electric starter! (The first of any such inventions which made him a multi-millionaire). He later (much later) purchased one of the first Cessna 172s and it was parked in a hangar in Piqua Ohio.

Challenge To All OX5ers: From the enclosed photo, HOW DID IT WORK?



DEFINITIONS OF AIRCRAFT, PARTS AND OPERATORS - FROM A GERMAN DICTIONARY

Aircraft: Der fliegenwagen

Light aircraft: Der kleinen fliegenwagen

Jet transport: Der gross fliegenwagen mit schullschplitten schreemen spittenfirenbakof, ensmoken

Propeller: Der airfloggenfan

Control column: Der puschenpullen schtick

Rudder pedals: Der tailschwingen werks

Pilot: Der tailschwingen puschen pullen werker

Student pilot: Der dumbkopf lernen fliegen

Instructor: Der dumbkopf schtuk mit der dumbkopf lernen fliegen

Air traffic controller: Der schweinhund ubbenzie taur watchen aller oder dumbkopfs fliegen

IFR: Lissenwaitenhopen fliegen



OX5 Demonstration Engine Stand

Try Your Skill At Reading This!

Wisconsin Wing: Don Volland OX5 Member #21569 reports that things have been quiet except for the running of our demonstration OX5 engine at several locations. We look forward to the coming season and are hopeful of renewed demonstration activity during the summer.

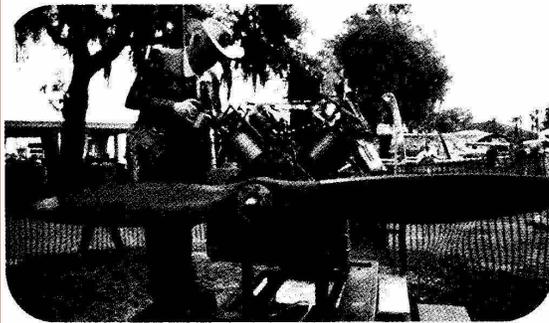
Midwest Florida Wing: Dot Prose OX5 Member #22258 sent us a copy of the rupanews (Journal of the Retired United Pilots Association) and I have copied two articles regarding the National OX5 Aviation Pioneers.

OX-5 AVIATION PIONEERS CLUBHOUSE: Once again, thanks to the generosity of the OX-5 Club's Mid-West Florida Secretary, **Nicole Azarro**, we were able to enjoy the comfort of the Club's facilities, luncheons each day and camaraderie. The "Kitchen Kuties" work hard to home cook the daily luncheons (\$5 good deal) of hot dogs, sausages, pulled pork, lasagna.

The clubhouse serves as a very convenient base of operations for our attendees to meet, sign in and provide background for the group photo. Against this backdrop was the start-up at least 5 times/day of the displayed OX-5 engine in front of the clubhouse. This vintage 104 year old operating relic (comes to life about 30 seconds each time) was manufactured in 1918.



OX-5 Kitchen Kuties



For those not familiar with the Curtiss OX-5 engine, it was developed and manufactured by Glenn Curtiss in 1912 prior to the start of WW1 to power the JN4 "Jennies" of that era plus many other types of aircraft in the 1920s and 1930s. The OX-5 is an eight cylinder, V-type, water cooled engine, and developed 90 HP at 1400 RPM (if you were lucky). Web site is www.ox5.org. Membership is open to anyone interested in pioneer aviation.

The engine requires meticulous care, oil, water and fuel. The photo shows the oiling of its eight rocker arms.

RUPA PRESENTATION TO OX-5 CLUB

At the 2022 Sun-n-Fun Aero Expo, RUPA member **Mike Bogumill** presented to the OX-5 Club an "Airplane Engine Service" brochure of the Heckman Machine Works of Chicago for repairing costs of the Curtiss OX-5 engine. Mike found this 100 year old brochure in pristine condition inside a book entitled "The Society of Automotive Engineers 1918 Transactions Part II". This book belonged to his wife's grandfather, George Wedekind, Sr., who learned to fly in WW1 and afterwards was a neighbor of the Wright Brothers in southwest Ohio. He flew a Jenny aircraft with an OX-5 engine and was an early member of the OX-5 club.



Back in 1918 there were no aeronautical engineers. Instead automotive engineers worked on airplanes and tractors besides automobiles. The brochure states upfront in its marketing ad that "Efficiency of your airplane depends largely upon the proper functioning of the engine. The engine that does not "rev up" necessitates frequent attention, resulting in delays and reducing your earning power." It proceeds on with their flat rate pricing guide, e.g., new main bearings at \$0.80, straighten crankshaft at \$4.00 each, pistons at \$3.50 each plus other good deals.

This brochure was donated to the Mid-West Florida Wing of the OX-5 Club by Mike in memory of George Wedekind, Sr. Accepting the brochure was **Nicole Azzaro** of the OX-5 Club in front of the club's 104 year old OX-5 engine. The brochure will be framed and displayed in a trophy room in the OX-5 clubhouse at the Lakeland Linder airport and is a much welcome historic addition donated by the family of a very early pioneer of aviation, George Wedekind, Sr



OX5 Aviation Pioneers 2023 Education Scholarship Application



Name _____ Date of Brth _____

Permanent Address _____

Home Phone _____

Cell Phone _____

Email Address _____

OX-5 Sponsoring Member:

Member Name: _____ Member # _____

Member Address _____

Member Phone _____ Email _____ Wing _____

Education:

School	City/State	Years Attended	Degree or Diploma	GPA

Pilot Certification (if any):

Private	Commercial	Ratings	Flight Hours

On separate paper, please respond to items listed below. Put your name on the top of each sheet and refer to the items by the appropriate letter (A, B, C).

- A. Accomplishments in or out of school
Indicate honors, awards, performances, clubs, etc.
- B. Aviation Activities
List aviation activities in which you participate, membership in aviation organizations and any aviation related employment.
- C. Goals Tell us about yourself and your goals. Write a statement about your educational and career goals. State how you first became interested in aviation and your future goals with aviation. Specify certificate, rating or education goal you will be obtaining with this scholarship.

Letters of Recommendation: Two are required. At least one must be from a person knowledgeable of your aviation goals.

Application due by July 15, 2023

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

Send application materials to: OX5 Aviation Pioneers, Scholarship Program, PO Box 769, Troy, OH 45373

OX5 Aviation Pioneers 2023 Discover Aviation Learning Through Fun Scholarship Application



Name _____ Date of Brth _____

Name of parent(s)/guardian(s): _____

Permanent Address _____

Home Phone _____ Cell Phone _____

Email Address _____

OX-5 Sponsoring Member: Member Name: _____ Member# _____

Member Address _____

Member Phone _____ Email _____ Wing _____

Education:

School	City/State	Year s Attended

Extracurricular Activities:

On separate paper, please respond to items listed below. Put your name on the top of each sheet and refer to the items by the appropriate letter (A, B, C).

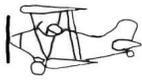
- A. State why you desire the aviation scholarship and for what purpose you plan on using the scholarship funds.
- B. Accomplishments in or out of school.
Indicate honors, awards, performances, clubs, etc.
- C. Goals.
Tell us about yourself and your goals. What experiences have you had that developed your interest in aviation? Why do you want to do this aviation activity? Do you have any future plans that include aviation?

Letters of Recommendation: Two are required. At least one must be from a teacher that you have had within the last two years.

Application due by May 30, 2023

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

Send application materials to:	OX5 Aviation Pioneers, Scholarship Program, PO Box 769, Troy, OH 45373
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Membership Renewal Time



Our Life Members are exempt from paying annual dues but many of them as well as Regular Members like to give a donation to help support our outreach initiative.

Regular Members may renew *online* or by using the *form below*. We are now combining family membership listings on our master membership list. As a result of this change, you are expected to **send only one membership dues amount** for the combined listing as a family membership. The husband's membership number will be shown along with both the names of the husband and wife on the membership card. If a duplicate card is desired for the wife, we will be happy to provide that upon request. This will allow the electronic handling of the master membership list to function more smoothly. Only one hard copy of the Newsletter will be sent to each family membership listing. Hard copy Newsletters have only the front and back pages printed in color due to the cost. Email Newsletters are sent with all pages in color.

Mail the **completed** form below along with a check if appropriate to:
OX5 Aviation Pioneers, PO Box 769, Troy, Ohio 45373

✂✂✂ Cut On Line ----- Cut On Line ✂✂✂

G Check This Box To Have Your Newsletter Sent Via Email

PRINT YOUR NAME AND ADDRESS HERE

Name _____

Street _____

City _____

State _____ Zip _____

OX5 Membership Number If Known _____

Email _____

Home Phone _____

Cell Phone _____

Dues Renewal \$ 30.00

**(Your Next Membership Year Is
Jan. 1 - Dec. 31, 2023)**

My donation is _____

Total Enclosed \$ _____

Web Site: www.ox5.org

HELP WANTED

Join the OX5 National Team And Be Our
Newsletter Editor - Immediate Opening

Please Contact:

Russ Berry
National President
937-405-7183
berrygoodwine@yahoo.com

OX5 Aviation Pioneers
P. O. Box 769
Troy, OH 45373



Web Site: www.ox5.org

Attention Regular OX5 Members - Dues Renewal Time - The annual dues year starts January 1, 2023 and extends to December 31, 2023. Regular Members who have not paid their dues by April 1, 2023 will be considered as “not in good standing”. Regular Members who have not paid their dues for the past two years will be removed from the Master Membership List.