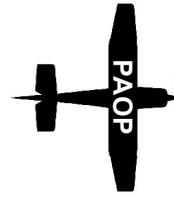


# Pottstown Aircraft Owners & Pilots, Inc.

Originated February 26, 1948 – Incorporated January 15, 1960

3310 W. Ridge Pike, Pottstown, Pa. 19464



January 2019

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

## Regular Monthly Meeting

### Annual Meeting and Elections

The Annual Membership Meeting of PAOP will be held on Thursday, January 31, 2019 at the Copperfield Inn at Lakeside, 594 W Ridge Pike, Limerick. The program for the meeting will be the election of officers and directors for 2019 and other matters to come before the members.

Join us for cocktails and conversation starting at 1800, with dinner around 1830, or just for the meeting about 1930. Contact Gene Poppel (484-431-9660 or [genepoppel@comcast.net](mailto:genepoppel@comcast.net)) and let him know you're coming, by Tuesday, January 29.

## Flyout

### A Wintry Ride to the Mountains to the West

It's time to fly to the foothills Maryland's Catoctin mountains to enjoy starkness of winter or sun glistening on the snow. Scenic Frederick, MD is our next flyout destination, on January 27.

It's uncertain who is honored by the naming of Frederick, MD, but one of the candidates is Frederick "the Great" of Prussia, for whom King of Prussia is also named (actually after the King of Prussia Tavern, named after the king). No matter, this charming colonial-era town, a center of shopping and antiquing and also part of Civil War history, will be our January 27 flyout destination. Today, it's also the home of AOPA and AVEMCO Insurance, both on the airport ramp. We'll travel a quick 97 nm to Frederick Municipal Airport (KFDK) for brunch at the Airways Inn on the field.

Take care with your navigation and check NOTAMS carefully for any possible expansion of the Camp David Prohibited Area (P-40). Also, Frederick is well within a 60 nm circle centered on the DCA VORTAC, which means

that the pilot in command must have completed the online course about operation in the Washington DC Special Flight Rules Area. We may be threading a needle between P-40 and the SFRA. The course is available through the AOPA web site or [www.faa.gov](http://www.faa.gov).

Frederick Airport has grown up, acquiring a control tower a few years ago.

We'll gather at Penn Airways at 0930 for 1000 takeoff. Bring a friend or bring a student pilot (or bring a friend who is a student pilot). Contact Gene Poppel 484-431-9660 or [genepoppel@comcast.net](mailto:genepoppel@comcast.net) if you want a ride or have an available seat in your plane.

## From the Prez

Janus

by Tim Drager

January 12, 2019

"In ancient Roman religion and mythology, Janus is the god of beginnings and transitions, thence also of gates, doors, doorways, endings and time. He is usually a two-faced god since he looks to the future and the past. The Romans dedicated the month of January to Janus." Wikipedia.

So as it is with Janus, we look to beginning 2019 with anticipation, renewed spirit, and fun, including the election on January 31 at Copperfield's restaurant. Whoever is elected, our new President has ideas to broaden PAOP's scope and reach into the pilot community. He will need your support to make dreams into reality.

PAOP has a lot of history. We look back to 2018, and all years of PAOP's past to inform the future. There is one common thread that links the past, present and future: The fellowship of exploration. We are all explorers of the heavens

President:  
Tim Drager

Vice President:  
Mike McNamara

Secretary:  
John Green

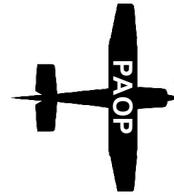
Treasurer:  
Gene Poppel

Directors: Erik Forde, Berry Kerchner, Thomas Kozel, Andy Landis, Laura Poppel, Jeffrey Stouter, Mike Sehl (President Ex-Officio)

# Pottstown Aircraft Owners & Pilots, Inc.

Originated February 26, 1948 – Incorporated January 15, 1960

3310 W. Ridge Pike, Pottstown, Pa. 19464



January 2019

www.paop.org

and risk managers, learning from each other. This ties back to PAOP's charter in the By-Laws:

- A. To promote, protect, and represent the aeronautical interest of the members.
- B. To further the art, science, and industry of aeronautics and the pursuit of private flying.
- C. To further the safety, popularity, and economy of private flying.
- D. To further the education of persons interested in aviation through seminars, scholarships, and other programs.

So, just as Janus is the Greek god of transition, we look forward to our 2019 election with an expectation of a brighter future. I encourage you to vote for our next president, officers and directors. There may be ad-hoc competition for several board positions. See <http://paop.org> for election night details.

Yours in Aviation,  
Tim

## Board Minutes

PAOP Executive Board meeting  
Jan. 3, 2019



**Attendees:** John Green, Gene Poppel, Laura Poppel, Tim Drager, Barry Kerchner, Erik

Forde, Andy Landis, Kathy Brenneman, Mike McNamara

**Secretary Report:** Minutes from the Nov. 2018 meeting were read and approved.

<b>Treasurer Report:</b>	Dec. 2018
Starting Balance	\$3,622.07
Income	\$1,816.00
Expenses	\$1,857.40
Ending Balance (incl. \$679.38 for Youth Education Fund)	\$3,580.67
Gain (Loss)	\$ (41.40)

Motion made and carried to accept the treasurer's report.

## **Old Business:**

- Discussion on expanding PAOP presence on Facebook to improve our social media exposure. **OPEN** One suggestion to post photos and stories of our monthly fly-outs or any other flights that a member might take. Another suggestion to spend money on an electronic sign to promote our fly-outs or piggyback on the Penn Airways fuel sign on the south side. Andy Landis is interested in being administrator of our Facebook page. Motion made and carried to add Andy as an administrator.
- Scouts are interested in holding Aviation Explorers at KPTW and have asked us to consider mentoring. Tim to talk to Chris Jordan to see if Penn Airways will allow them to meet in main hangar. **OPEN** Tim did put

President:  
Tim Drager

Vice President:  
Mike McNamara

Secretary:  
John Green

Treasurer:  
Gene Poppel

**Directors:** Erik Forde, Barry Kerchner, Thomas Kozel, Andy Landis, Laura Poppel, Jeffrey Stouter, Mike Sehl (President Ex-Officio)

# Pottstown Aircraft Owners & Pilots, Inc.

Originated February 26, 1948 – Incorporated January 15, 1960

3310 W. Ridge Pike, Pottstown, Pa. 19464



January 2019

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

feelers out for others to join in hosting, but got no response. He has also spoken to C.A.P. about supporting their efforts. Possible C.A.P. events in the spring. **CLOSED**

- Tim installed WIFI repeater at Roost. Penn Airways covered the cost of the repeater and the router. **CLOSED**
- Discussion on reviewing our insurance coverage and shopping, possibly through AOPA. Gene has not had a chance to follow up. Further discussion on changing our insurance carrier and level of coverage. Mike Sehl, Mike McNamara, and Gene Poppel to pursue. **OPEN**

## New Business:

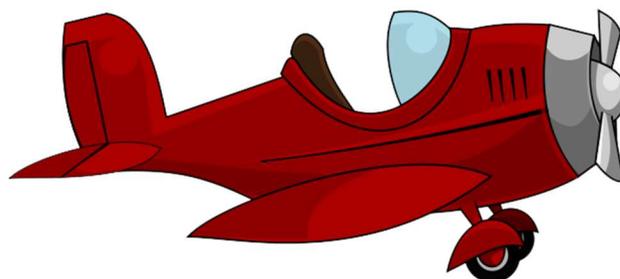
- Discussion on anticipated changes to PTW airport, including new pads for plane storage.
- Discussion on another breakfast, possibly in May or June. We could possibly coordinate with 99's for serving food at Pennies-A-Pound event.
- No WW II dance at Sunnybrook this year. Could we host something like that here? Contact info for Sue and Bill Krause, who ran the event at Sunnybrook, provided.
- Further discussion on forming non-profit tabled until after the new executive board is seated.
- The monthly dinner meeting will be at Copperfields on Jan. 31st at 6 PM. Annual elections to be held after dinner.
- Fly-out on Sunday Jan. 27th to KFDK Frederick, MD.
- Motion made and carried to hold March Executive Board meeting, at the Pilots Lounge 7 PM on Mar. 7th.

- Barry reports no current rodent occupants at the Roost.
- Nominees for office as follows:
  - President - Erik Forde
  - Vice President - Mike McNamara
  - Treasurer - Gene Poppel
  - Secretary - John Green
  - Director of Newsletter - Tom Kozel
  - Director of Food - Laura Poppel
  - Director of Roost - Barry Kerchner
  - Director of Marketing - Jeff Stouter
  - Director of Fundraising - Erik Forde
  - Director of Youth Programs - Andy Landis
  - President Ex Officio - Tim Drager

Meeting adjourned at 8:30 PM

Respectfully submitted,

John Green



President:  
**Tim Drager**

Vice President:  
**Mike McNamara**

Secretary:  
**John Green**

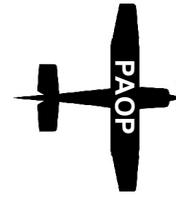
Treasurer:  
**Gene Poppel**

**Directors:** Erik Forde, Barry Kerchner, Thomas Kozel, Andy Landis, Laura Poppel, Jeffrey Stouter, Mike Sehl (President Ex-Officio)

# Pottstown Aircraft Owners & Pilots, Inc.

Originated February 26, 1948 – Incorporated January 15, 1960

3310 W. Ridge Pike, Pottstown, Pa. 19464



January 2019

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

## From Mike

Aviation related Pot Pourri...

**Giving:** Our thanks to those who donated food, goods or money to the First Airport Holiday Collection. Seasonally decorated drums were placed in the lobbies of both Heritage Field and Pottstown municipal Airport in November. The purpose was sharing and giving in the spirit of the Holidays. The beneficiaries of this largesse were the people dependent on the Phoenixville Area Community Services for food, clothing and family support.

Our Thanks also go out to Limerick Aviation LP and Penn Airways Inc. at Heritage for allowing and supporting our efforts, as well as to Fly Elite LLC, the operator of the Pottstown Municipal Airport. Food and personal care items were donated along with clothing and cash donations. All donations were and are greatly appreciated.

**The Plan:** In the fall of 2019, we are hopeful that the organizations will be able to get an earlier start and be able to spread the word more effectively for those who are in need.

X X X

**Bernoulli and Venturi.** They do sound like a Philadelphia law firm, don't they? Way back in the sixties (yes, the last century) I was a cadet (can you believe that) for a period of time in the Civil Air Patrol in Vineland New Jersey. We had neat blue shirts and learned the finer points of marching and pivoting on one foot while spinning around to the order "About face". We also had ground school in the available classrooms that the local C.A.P. had use of in the then Memorial School. With speakers from the adult and youth corps and using the green (Black) boards we were given the basics of flight. Part of those lessons explained the factors that created "lift". Lift is what makes airplanes fly (or is that still true?). Venturi tubes

have a narrowed area that the air or liquid passes through. According to the theory of Venturi the pressure in the narrowed portion of the tube drops, because it has to travel faster in the narrowed section. Those of you who have had the lessons understand that when a fluid (air) speeds up, the pressure in the air drops. It was also explained that due to the curvature of the upper surface of a modern wing (one half of a venturi tube shape), the air travels at a different speed (faster) than it does over the flat or flatter portion of the bottom of the wing. The result, as it was explained at the time, was that the air going across the longer curved surface had to go faster than the air travelling across the lower and flat surface. That meant that there was lower air pressure above the wing, than below, and hence – lift.

Back when President Tim Drager had brought together all of those boy scouts to camp at the Roost and learn about aviation, I had a chance conversation with our own Mike McNamara (a CFI and Engineer as well as a Beech Bonanza Pilot). When we discussed some of the lessons being covered in the Scouts sessions Mike Queried: "You aren't one of those people who still believe in Bernoulli and Venturi, are you?" I believe my answer was something close to "well, that's what I was taught a long time ago". There was no further discussion that day. I then read every article on the topic I saw in the aviation magazines and online.

Sometime after that I was having a conversation with our own Gene Poppel, another Engineer and also a certified flight instructor. Gene also said that it is just not that simple, and that there are more factors to lift, such as the lower surface of the main wing plowing through the air at different angles of attack with the effect that the forces of the air blowing against the lower portion create lift by pushing the wing upward. He also stated that just like Snoopy flying his

*President:*  
**Tim Drager**

*Vice President:*  
**Mike McNamara**

*Secretary:*  
**John Green**

*Treasurer:*  
**Gene Poppel**

*Directors:* Erik Forde, Berry Kerchner, Thomas Kozel, Andy Landis, Laura Poppel, Jeffrey Stouter, Mike Sehl (President Ex-Officio)



doghouse that if you have enough horsepower you can fly a square box. Never one to accept clearly expressed wisdom, I kept reading.

Recently in an article in Avweb, which I subsequently lost, the author talked about my old friends Bernoulli and Venturi, but added another theory, that is one based on the Wedge. It simply told, had the sharp edge of the as the rear, and the butt end as the front of the wedge. The wedge, if you will, would be powered forward into the wind, and if angled so that the wind passing over the top had to speed faster than the wind pushing up on the lower portion of the wedge. This wind moving faster across the top (ala Bernoulli's idea that the pressure drops in the faster wind) and that the lower portion is pushed upward due to the force of the wind pushing it up. So, to my mind if you have enough horsepower (as per Gene) and lift acting on the upper portion (ala Bernoulli via Venturi) you arrive at the same point. Flight.

Are you still with me? Well, in a letter to the Avweb publisher, a highly decorated and educated Aviation Engineer pointed out that the article including the wedge wasn't exactly right. I give up. I'm hoping to have lunch (or maybe drinks) with both Gene and Mike and get the whole thing worked out. In the meantime, I intend to keep the top of the main wings and tail horizontal surfaces UP, and the flatter lower portions of each DOWN each time I fly the Archer (or Bonanza for that matter).

Wasn't the wing on the Wright Flyer curved upward?

Mike "Sky-Hawk" Sehl

Anthropologist, Lawyer and Pilot

## PAOP Food and Clothing Drive

The food and clothing collected at Pottstown Heritage Field (KPTW) and at Pottstown Municipal Airport (N47) in colorful bins were donated by aviation friends, employees, pilots and others up through December and taken to the Phoenixville Area Community Service (PACS) organization in Phoenixville for distribution to needy individuals and families. It is hoped that this is the first of many years of gathering donations for those in need from our Airport and Aviation communities.



Pictured are (Lift to Right): Christopher Jordan - Penn Airways, Inc.; Vicky McMenamée, - Fly Elite and Fare Share; Joshua K. Desmond - Limerick Aviation LP; and Mike "Sky-hawk" Sehl - PAOP and EAA Chapter 1250

# Pottstown Aircraft Owners & Pilots, Inc.

Originated February 26, 1948 – Incorporated January 15, 1960

3310 W. Ridge Pike, Pottstown, Pa. 19464



January 2019

www.paop.org

## Planned 2018 PAOP Event Calendar

Date	Event	Comment
1/10/18	Board Meeting	New Slate of Officers
<b>1/25/18</b>	<b>ANNUAL MEETING and Election of Officers</b>	<b>Copperfield Inn at Lakeside</b>
1/28/18	Flyout— Millville Executive Airport (KMIV)	
2/1/18	Board Meeting	
<b>2/22/18</b>	<b>Monthly Meeting</b>	<b>Copperfield Inn at Lakeside</b>
2/25/18	Flyout— Millville Executive Airport (KMIV)	
3/1/18	Board Meeting	
3/25/18	Flyout—Cambridge, MD (KCGE)	
<b>3/29/18</b>	<b>Monthly Meeting</b>	<b>Copperfield Inn at Lakeside</b>
4/5/18	Board Meeting	
4/28/18	Cleanup	Roost 9AM
<b>4/26/18</b>	<b>Monthly Meeting</b>	<b>Copperfield Inn at Lakeside</b>
4/29/18	Flyout—Cherry Ridge (N30)	<b>Brunch</b>
5/3/18	Board Meeting	
5/26/18 (Sat)	Flyout—Delaware Coastal Airport (KGED)	<b>Brunch</b>
<b>5/31/18</b>	<b>Monthly Meeting @ The Roost</b>	<b>Steak</b>
6/7/18	Board Meeting	
6/24/18	Flyout— Kentmorr Marina, Stevensville, MD (3W3)	Crabs!
<b>6/28/18</b>	<b>Monthly Meeting @ The Roost</b>	<b>Chicken*</b>
7/5/18	Board Meeting	
<b>7/26/18</b>	<b>Monthly Meeting @ The Roost</b>	<b>Steak</b>
7/29/18	Flyout— Ocean City, NJ (26N)	<b>Brunch</b>
8/2/18	Board Meeting	
8/26/18	Flyout—Tangier Island (KTGI)	Crab lunch and sightseeing
8/30/18	Monthly Meeting @ The Roost	
9/6/18	Board Meeting	
<b>9/9/18*</b>	<b>Annual Fly-In/Drive-In Breakfast</b>	
<b>9/27/18</b>	<b>Monthly Meeting @ The Roost</b>	<b>Lobster (and optional steak)</b>
9/29-30/18	99s Pennies a Pound	
9/30/18 (Sat)	Flyout—Gettysburg (W05)	Lunch and Tour the Battlefield
10/4/18	Board Meeting	
<b>10/25/18</b>	<b>Monthly Meeting</b>	<b>Copperfield Inn at Lakeside</b>
10/28/18	Flyout— Sky Acres (44N)	
11/1/18	Board Meeting	
11/25/18	Flyout— Sky Manor (N40)	<b>Brunch</b>
<b>11/29/18</b>	<b>Monthly Meeting</b>	<b>Copperfield's, Limerick</b>
12/6/18	Board Meeting	New Slate of Officers
<b>12/8/18*</b>	<b>Monthly Meeting – Christmas Party</b>	<b>Sunnybrook Ballroom, Pottstown</b>
12/16/18	Flyout— Flying W (N14)	AYCE Pancake Breakfast
1/3/19	Board Meeting	New Slate of Officers
1/27/19	Flyout—Frederick, MD (KFDK)	<b>Brunch</b>
<b>1/31/19</b>	<b>ANNUAL MEETING and Election of Officers</b>	<b>Copperfield Inn at Lakeside</b>

\* Steak is also available at these meeting

Tim Drager

Mike McNamara

John Green

Gene Poppel

Directors: Erik Forde, Berry Kerchner, Thomas Kozel, Andy Landis, Laura Poppel, Jeffrey Stouter, Mike Sehl (President Ex-Officio)