



**High Desert Flyers**

Chapter 1345 Bend, Oregon

## March 2024 Newsletter

### **Next General Meeting**

Wednesday, March 13

6:00pm

Dinner of homemade chili,  
cornbread and dessert for \$5  
donation to cover our costs\*\*

6:30-7:30pm

General meeting

#### Location:

Bend Builders Assist  
63030 Powell Butte Hwy  
Bend, OR

*\*\* Some of our members have  
offered to make chili and  
cornbread for the group this  
month. If you would like to help  
by bringing something to share,  
please contact Tom Wright at  
[wright.thomas@yahoo.com](mailto:wright.thomas@yahoo.com)*

*Guests are welcome to attend  
up to two monthly meetings  
before becoming a member.*

### **Message from the President**

Greetings fellow chapter members and welcome to our March newsletter. I'll be out of town for this month's meeting, but it will be ably led by our Vice President, Thomas Wright.

We have an amazing presentation this month by Derek Abbey, CEO of Project Recover. Their mission is to travel the world to bring home remains of MIA and POW soldiers, often taking them to remote jungles and island lagoons in search of aircraft lost in combat. Please check out their website at <https://www.projectrecover.org>. There is also an excellent documentary available on Amazon Prime called "To What Remains". I highly recommend watching it prior to Derek's presentation.

We will be serving a member provided chili feast which should provide a tasty diversion from our usual dinner menu. Better get there early to be sure you get a chair!

We will also be discussing our summer flying activities, so if you have any ideas for an event you think would be fun please bring them up!

Safe Flying!

*Chris Wallace*



## March Meeting Agenda

- Greetings and welcome visitors and new members
- Reminder to pay 2024 membership dues
- Flying Start and Fall Fly Out Tom Wright/Ken Fayal
- Student scholarship update Jeff Stolasz
- Safety Quiz Tom Wright
- **Guest Speaker: Derek Abbey, CEO of Project Recover**  
Non-profit organization created to search, locate, document, recover and repatriate American service members missing in action  
<https://www.projectrecover.org>



## 2024 Ray Aviation Scholarship Applications

*From Ray Scholarship Coordinator, Jeff Stolasz*

Application forms for this years' two Ray Scholarships went out to all registered candidates on Thursday. Now is the last opportunity for any youth interested in the flight training scholarship to get an application. This can be done by emailing [Highdesertflyers1345@gmail.com](mailto:Highdesertflyers1345@gmail.com). Completed applications are due by March 15.

## 2024 Chapter Events Schedule

March 13	Chapter Meeting
April 10	Chapter Meeting
<b>April 27, Saturday</b>	<b>EAA Flying Start Program at Bend Municipal Airport</b>
May 8	Chapter Meeting
<b>June 1, Saturday</b>	<b>Young Eagles Day in Madras during Madras Airport Day</b>
June 12	Chapter Meeting
July 10	Chapter Meeting
<b>TBD, Saturday</b>	<b>Young Eagles Day at Bend Municipal Airport</b>
August 14	Chapter Meeting
September 11	Chapter Meeting
<b>TBD</b>	<b>Fall Fly Out</b>
October 9	Chapter Meeting
November 13	Chapter Meeting
<b>December 11</b>	<b>Holiday Party</b>

More events are in the planning phase. If you have any ideas, please let us know!

### Volunteers Needed

Please consider volunteering for one of our many chapter events. It's a great way to get to know other members and give back to our community.

And we are always looking for ideas for speakers/programs for our monthly chapter meetings. If you or someone you know would be interested in presenting to the chapter, please reach out to Chris Wallace at [highdesertflyers1345@gmail.com](mailto:highdesertflyers1345@gmail.com).

### *For those of you who are new to the chapter....*

Young Eagles events offer free introductory flights to local youth aged 8-17. Flying Start is a program for adults to inspire and educate aspiring aviators. Both events are made possible by the generosity of chapter member volunteers.

The Ray Aviation Scholarship program provides up to \$11,000 to local deserving youths to help cover their flight training expenses. The scholarships are partially funded by the EAA National Ray Foundation and partially by our chapter.

For more information on EAA and our local chapter 1345, and to view previous monthly chapter newsletters, please visit our website at <https://chapters.eaa.org/eaal345/newsletters>.

# EAA Chapter 1345 General Meeting Minutes

**February 2024**

***(32 Attendees!)***

Sandwiches for dinner were served at 6pm graciously prepared by Chris and Debbie Wallace since Costco stopped making sandwich plates.

The official meeting started at 6:30 with Chris welcoming new members and visitors. Chris reminded all of us to pay our annual chapter dues which can be done through the website or in person by check.

Jeff Stolasz gave an update on the Ray scholarship for 2024. There were several candidates interested in the scholarship who attended the meeting. Scholarship applications will go out to all interested candidates next week.

Kim Muinch gave an update from the Friends of the Bend Airport organization. The City has reconsidered the new draft airport rules which were not well received at all by the airport community. Feedback via their website comment section and from several in person meetings from airport community members was very dissatisfied. This is considered a positive outcome organized by Friends of the Bend Airport.

Joel Haynes gave us the treasurer's report from year end 2023.

Tom Wright gave a briefing on the Flying Start day which will be run by the chapter set for April 27th.

Tom also moderated a safety discussion via a video pertaining to IFR planning, proficiency, and decision making.

Chris handed out awards to those chapter members who made significant contributions to the Chapter in 2023.

The meeting wrapped up with a call for volunteers to bring bread and chili for the next chapter meal. The next chapter meeting will be organized by Tom Wright.

Respectfully submitted,

*Jeff Stolasz*  
*EAA 1345 Chapter Secretary*



### **From the Desk of the Bend Airport Manager**

As many of you may already know, runway numbers are based on the runway's orientation relative to magnetic North. Over time, airports must change the runway numbering as magnetic North moves about 60 kilometers a year. To account for this, the FAA is planning to amend all five instrument approach procedures into KBDN and establish a new RADAR vector departure procedure. In addition, the runway numbers will be updated to reflect the heading changes. Runway 16 will become Runway 17, and Runway 34 will become Runway 35. This project is set to begin in late 2025 or early 2026. I will keep users informed on these changes prior to implementation.

Thanks for reading, please safe and check NOTAMS.

*Tracy Williams, Airport Manager*

### **Chapter Member Name Tags**

The Chapter is purchasing name tags for all current members who would like one. The name tag will include your name, and a second line of your choice. Maybe your aircraft N number, your nickname, board position, or anything you'd like to say about yourself.

If you would like a name tag, please submit your request to Jeff Stolasz ([jstolasz@yahoo.com](mailto:jstolasz@yahoo.com)). We receive a discount on ten or more, so every ten requests we will place an order.

Wear your nametag with pride. You are part of a rapidly growing group!

Here is a sample of the name tag.



## Upcoming Pacific Northwest Aviation Events

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### Airshows

May 17-19	Oregon Internation Airshow	Hillsboro, OR
June 15-16	Moses Lake Airshow	Grant County Intl Airport, WA
June 15-16	Olympic Airshow	Olympia, WA
July 22-28	EAA AirVenture	Oshkosh, WI
August 2-4	Boeing Seafair Airshow	Seattle, WA
August 19-20	Wings Over Washington	Bremerton, WA
August 23-24	Airshow of the Cascades Festival	Madras, OR
Aug 31-Sep 2	Oregon International Airshow	McMinnville, OR
September 6-7	Oregon Trail STOL	Ontario, OR
September 7-8	WAAAM Hood River Fly-In	Hood River, Or



### Western Antique Aeroplane & Automobile Museum

Upcoming events at the WAAAM museum in Hood River:

March 9 – Second Saturday – March through Time 1930s

April 13 – Second Saturday – Pearl Harbor Author Talk

April 20 – Model T Driving School (*advance reservations required*)

Each month we fly and drive the exhibits. Come and enjoy the fun!

To see more details, please visit their website at [www.waaamuseum.org](http://www.waaamuseum.org).

## Evergreen Aviation & Space Museum



Upcoming events at the Evergreen Museum in McMinnville, home of the Spruce Goose, include:

**Tuesday, March 19th**

### **STORYTELLERS SERIES: SPACEX'S GAME CHANGING STARSHIP**

Elon Musk and SpaceX are continuing to innovate rocket development at a never before seen pace. Their Super Heavy booster rocket, with 33 state of the art Raptor engines, is the most powerful rocket ever built. The Starship second stage will take the largest payloads in history into Earth orbit, to the Moon, and beyond. Find out what makes this completely reusable 400-foot high rocket system SO exciting!

For more information or to buy tickets, please visit their website at [www.evergreenmuseum.org](http://www.evergreenmuseum.org).

### **2024 Membership Dues Reminder**

Annual membership dues are due! We are keeping the dues at \$25 for individuals and \$40 for a family. Dues can be paid electronically by credit card or PayPal on our website at <https://chapters.eaa.org/eaal345/yearly-membership-renewal>. If you prefer to pay by check, please make the check payable to "EAA Chapter 1345" and either bring it to the monthly meeting or mail it to:

EAA Chapter 1345  
P.O. Box 6732  
Bend, OR 97706

We welcome prospective members to attend up to two of our monthly chapter meetings to learn about the group and meet our members. After attending two meetings, we kindly ask that you join the chapter by paying the annual dues to help fund our activities during the year.

If you have any questions, please send an email to [highdesertflyers1345@gmail.com](mailto:highdesertflyers1345@gmail.com).



## **The future of aircraft fuels...forget the dinosaurs, filler-up with a stew mash of corn and potatoes.**

*Submitted by Steve Gette, WebMaster and Member At Large*

Just as the automobile industry is moving forward with net-zero emissions, so it will also be with the aircraft industry. We are already producing alternate fuels and experimenting with different methods to fuel our combustible devices. So why not aircraft engines? Check out the following from FAA Facts:

### **Potential Sources of Sustainable Aviation Fuels**

Sustainable aviation fuels produced from renewable and waste feedstock can provide the greatest impact in our effort to reduce greenhouse gas emissions from aircraft. Such fuels will be critical to the aviation industry's ability to meet the net-zero emissions goal and they have the potential to slash emissions by up to 100 percent. Here are 10 potential fuel sources being developed for the near future:

#### **From our waste**

**Used cooking oil and grease** – This typically comes from plant or animal fat that has been used for cooking and is no longer usable for further cooking.

**Municipal solid waste** – Instead of dumping it in a landfill site, this is waste that comes from households and businesses. Examples include: product packaging, grass clippings, furniture, clothing, bottles, food scraps and newspapers.

**Recycled construction materials** – This uses wood waste from urban construction and demolition sites. The materials are heated in a controlled atmosphere that breaks down the solid blocks of waste into carbon monoxide and hydrogen and converts the mixture into hydrocarbons.

#### **From the soil**

**Corn husks and grain hulls** – After a summer's harvest, corn stalks, rustling leaves, husks, and silks offer few uses beyond low-quality livestock feed, or being plowed back into the soil. Lignin, the polymers that lend strength and rigidity to corn and other plants, can be broken down and reassembled into a high performance, completely sustainable jet fuel.



*(Continued on next page)*



## The future of aircraft fuels... *(continued)*

**Wood waste from mills and forests** – This jet fuel would come from excess wood, agricultural, and forestry residues from the lumber industry.



**Sugar cane and sugar beets** – Fermented sugar cane juice could yield more than 2,500 liters of bio-jet fuel per acre of land. In simple terms, this means that a Boeing 747 could fly for 10 hours on bio-jet fuel produced on just 54 acres of land.

**Oil from the Camelina and Jatropha seeds** – Jatropha is a plant that produces seeds containing inedible lipid oil that can be used to produce fuel. Each seed produces 30 to 40 percent of its mass in oil.

### *From the water*

**Seaweeds and algae** - These microscopic plants can be grown in salt water, deserts and other inhospitable places. One of the biggest advantages of algae for oil production is the speed at which the feedstock can grow. It has been estimated that algae produces up to 15 times more oil per square kilometer than other biofuel crops.

**Salt marsh grasses** – These grasses can grow in salt water or in areas affected by sea spray where plants would not normally be able to grow.

**From the air Carbon dioxide (CO<sub>2</sub>)** – This synthetic alternative uses renewable electricity to produce hydrogen from water and combine with CO<sub>2</sub> from air to develop a sustainable aviation fuel. While a promising future source of fuel, it will depend on large amounts of renewable energy to successfully reduce carbon emissions.

### **Will our future be driven from our past? Possibly so!**

As you can see, there are many potential material sources that could be used for fuel production. But currently, the type of fuel needed also depends on the type of combustion required. For example, did you know the first diesel engine built by Rudolf Diesel in Germany and patented circa 1894 was to run on peanut and vegetable oil? YEP! Running on these oils, however, does have a distinct advantage over burning fossil fuels as the exhaust always smells like "French Fries"!

## EAA National Free Webinars

Below is a list of some of the webinars offered for *free* by EAA National to members this month. Preregistration is recommended since space is limited. For more information and to preregister, go to <https://www.eaa.org/ea/news-and-publications/ea-webinars>. If you miss the live webinar, you can still watch the video at a later date.

- Mar 6: Unleaded AVGAS -- Cure or Curse?
- Mar 12: Swallow and Travel Air (*museum webinars series*)
- Mar 26: Young Eagles Rally Planning 101
- Apr 2: The Van's RV (*museum webinars series*)

## Chapter Board

<b>President</b>	Chris Wallace highdesertflyers1345@gmail.com <i>Term: Jan 2023-Dec 2024</i>	<b>Vice President</b>	Tom Wright wright.thomas@yahoo.com <i>Term: Jan 2023-Dec 2024</i>
<b>Secretary</b>	Jeff Stolasz Jstolasz@yahoo.com <i>Term: Jan 2023-Dec 2024</i>	<b>Treasurer</b>	Joel Haynes Joelroberthaynes@gmail.com <i>Term: Jan 2024-Dec 2025</i>

## Chapter Committee Chairpersons

<b>Membership Chairperson</b>	Faye Phillips Fayephil@gmail.com <i>Term: Jan 2023-Dec 2024</i>	<b>Young Eagles &amp; Eagles Coordinator</b>	Tom Wright wright.thomas@yahoo.com <i>Term: Jan 2023-Dec 2024</i>
<b>Member At Large and Webmaster</b>	Steve Gette Sgetteman@q.com <i>Term: Jan 2022-Dec 2024</i>	<b>Newsletter Editor</b>	Debbie Wallace highdesertflyers1345@gmail.com <i>Term: Jan 2023-Dec 2024</i>