



Local Chapters under
www.WPAFly.org

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Calendar of Chapter Events

Nov 3rd Board Mtg
Nov 4th Yr in Review
Dec 1st Board Mtg
Dec 2nd Christmas Party
Jan 5th Board Mtg
Jan 6th PAE Airport Issues

Sno Isle Le Bistro
9001 Airport Road
Everett, WA 98208

Doors open at 6:30 P.M.
RSVP required for \$15 Dinner
by Oct 30th
RSVP instructions on last
page

President's Message *by Rich Jones*

ADS-B Out and the FAA 2020 Mandate

All of us who are aircraft owners are aware of the FAA mandate for ADS-B out by 2020. A recent look at the FAA data says that about 23,000+ out of the 204,408 active GA aircraft are ADS-B Out equipped. Approximately 1,000 new aircraft are being equipped each month. At the current rate there will be about 62,000 GA airplanes equipped by the end of 2020. Now some the remaining 142,000+ airplanes will probably get by without ADS-B out because they live out in rural areas but anyone who will be flying their airplane around Puget Sound will need ADS-B Out. The above data suggests that one of two things will happen:

1. There will be a big crunch in the avionics shops trying to get all this work done over the next several years.
2. The FAA will eventually push the date back a bit so that the remaining aircraft owners will have time to get their airplanes equipped with ADS-B Out and not be grounded for months or years.

It may be that both of the above things eventually come to pass.

So, what am I doing about it?

As many of you know we have two airplanes in the family. The 1958 J35 Bonanza was equipped with an L-3 Lynx NGT-9000 ADS-B Out/In Transponder about a year ago. This winter I plan on equipping the 1968 C-172K Skyhawk with the same transponder. With this done I will no longer be concerning myself about how the FAA mandate for ADS-B Out by 2020 develops. Some of us will probably put the ADS-B out mandate off as long as possible but I am hopeful that we are still flying well past 2020. I might add that I do like the much better traffic visibility that I have been getting since I installed the L-3 Lynx NGT-9000 in the Bonanza.

LYNX® NGT-9000



Why did I pick the Lynx NGT-9000?

The decision to install the Lynx NGT-9000 in the Bonanza was a no-brainer. I won the NGT-9000 in a raffle at the annual Bonanzas to Oshkosh event. Now having to buy an ADS-B transponder for the Skyhawk I have concluded that the Lynx NGT-9000 is the best solution for most aircraft owners for a number of reasons:

- Whole transponder replacement – (Do you really want to make your current 20+ year old transponder part of your future avionics by adding a UAT box?)
- ADS-B Out 1090 MHz Mode S ES (the international standard rather than 978 MHz UAT)
- ADS-B In 978 MHz UAT and 1090 MHz (so you see all ADS-B traffic plane to plane)
- Embedded GPS-WAAS (don't need an additional WAAS GPS receiver)
- Wi-Fi Interface Module to iPad Apps (ForeFlight, WingX Pro, Sky Radar).

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January 6th General Meeting and Program:

Our Airport Director, Arif Ghouse will give us an overview of what changes are in store for Paine Field over this coming year. It should be an enlightening presentation considering the ever changing landscape of Boeing on the field over the years. Look forward to seeing everyone at the meeting at Sno-Isle.

by John Stieber

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2016 Steve Waterman
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Past President Dave Wheeler
paine-past_president@wpaflys.org

President's message continued

Another nice feature is the option to purchase Traffic Advisory System (ATAS) with aural alerting option. This is a \$667 software upgrade they L-3 was giving away at Oshkosh. (I picked up two of them while I was there.)

If you already have or are installing a new Garmin GTN 650 or GTN 750 then the Garmin transponder might be right for you. It does not have the nice touch screen and traffic and weather display but you will be seeing those things on your GTN 650/750 anyway. If you are just trying to replace your old transponder in order to meet the 2020 ADS-B out mandate then the L-3 Lynx NGT-9000 just might be the right choice for you.



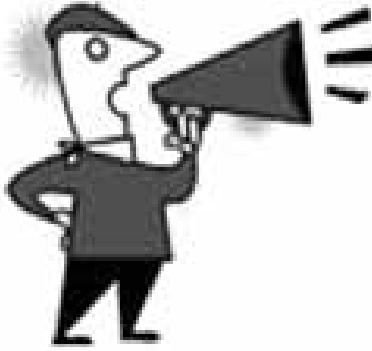
It has been a while since we had a seminar on ADS-B out. If you are interested in having a more current one then let me know by emailing me at rpj3333@gmail.com and some of us can put together a seminar on the current options and the pros and cons of each one as we see them. I suspect that a lot of us are going to make decisions on how we are going to meet the 2020 ADS-B out mandate soon.

iPad Applications

More of us are using an iPad for digital charts, weather etc. these days. I think that there may be some interest in a seminar on the more popular iPad applications that are available now including some demonstrations. As our new projector can project from an iPad we now have the capability of doing such a seminar. If you have interest in this subject, please email me at rpj3333@gmail.com and let me know. I think I can find some experts within our membership who could help put this on.

November 4th Program: A Year in Review. narrated by Kevin Kelly and Elections of 2017 Officers





Current Nominees for 2017 Officers

President Rich Jones



Treasurer George Futas



Call for Nominations of Officers: President, Vice President, Secretary, Treasurer, 2017 Director

2017 Director Jerry Barkley

**Elections of 2016 officers held at the November meeting
Time to serve, consider VP or a Director position
One Board meeting a month.
Opportunity to provide input and direction to enhance the WPA experience for our members**

Secretary: Eric Allais

**Vice Presidential Candidates:
Steve Murray
Mark Pembroke
Daniel Diessner**



Call for Nominations for 2016 Awards to be Presented During the Christmas Party.

Section 4 – Criteria for Indicated Awards.

Pilot of the Year. This is the highest award the Chapter may give. The nominations shall be a licensed pilot judged to have made outstanding contribution(s) to the advancement of general aviation throughout the past year. Recipient of this award shall be nominated for the State WPA Pilot of the Year competition.

Sponsor of the Year. To be awarded to the individual, group, or company who contributes most significantly in helping the Chapter to achieve its stated goals. This contribution should not be a financial one but rather should be based on the greatest contribution of effort, expertise, donated services or facilities and leadership training by the example it sets.

Sparkplug of the Year. This Award shall be given to the person or persons, who by their enthusiasm, talent, leadership ability and hard work inspire others to get involved and actively participate in the projects of the Chapter.

The Wright Stuff. The Wright Stuff Award shall be given in response to circumstances surrounding an incident that required outstanding flying or judgment. The criterion is that the aircraft must have been under power with a pilot in command.

E-mail nominations to Frank Hummel frankh909@gmail.com

The Silent Auction



Donations are coming in!

Silent Auction to be held at Annual Chapter Christmas Party on December 2nd

**Looking for donations.
This is a request for members
to obtain donations for our Silent Auction.**

**The Silent Auction is new this year to raise funds for the WPA Youth Aviation Scholarship Fund.
This is a 501-(C)(3) corporation.**

**Items do not need to be aviation specific.
Have a business you want to advertise, this is an opportunity to do so through your donation.
Know of a business that may want to donate?
Donations may be tax deductible. Donors will be provided a formal receipt.**

Contact *Pink.Bonanza@Frontier.com* to obtain a registration form for donations.



You are invited to the
Paine Field Chapter WPA Christmas Party
Dec 2nd at the Future of Flight

www.futureofflight.org

Doors open at 6:30 PM

\$45 pp advance purchase required by 11/27 through

<http://www.brownpapertickets.com/event/2683715>

Reserved tables
 available with
 purchase of 10
 tickets

No-host Bar: Wine, Beer, Spirits (cash or credit)

Catered by Emerald City Hospitality



Limited aircraft parking available at FOF

RSVP required at christine@futureofflight.org

Room discounts available at Hilton
 Garden Inn, on site 425.320.2027
 Group name: WA Pilots Association



**Silent Auction to raise
 funds for the WPA Youth
 Aviation Scholarship
 Fund
 a 501-(C)(3) Foundation**



The Hilton Garden Inn Seattle North Everett , your holiday party hotel.

“Ride the Elevator Home Rate.” The Hilton Garden Inn Seattle North Everett is looking forward to your stay.

Booking Instructions: We have created a WA Pilots Association webpage to make online booking easy:

http://hiltongardeninn.hilton.com/en/gi/groups/personalized/P/PAEWAGI-PILOTS-20161202/index.jhtml?WT.mc_id=POG

Please book by November 20, 2016 for your group rate.

Planning on arriving early? Staying later? Need a special room request? Please call the sales office directly Monday – Friday 8am-4pm for individual help: 425.320.2027

Group Name: WA Pilots Association; Group Code: PILOTS. Rooms are blocked for both Friday, Dec 2nd and Saturday, Dec 3rd

8401 Paine Field Blvd Mukilteo, Washington 98275 Phone Number: 425.423.9000



What Will the Weather be AT ????????

Summary of presentation at October 6 Paine Chapter Meeting



The topic reflects the classic question asked by non-flying spouses and friends when pilots are contemplating an overnight trip away from our local area. The example used was a trip to Boise ID.

The presentation highlighted the importance of the jet stream for predictions are made for 1-7 days in the future. Our recent NW storm (Oct 13-15, 2016) featured continuous TV coverage on the jet stream and its impact on bringing good and bad weather to our area.

Atmospheric weather predictions are also based on weather balloons data, which are launched at 12 hours at specific locations throughout the world. That data is called soundings, and instruments record atmospheric conditions from the ground to 50,000+ ft. The weather bureau computers receive soundings, plus use other data they get (like buoy data), plus historical and terrain data, to perform their algorithmic magic to predict the winds, temperature, humidity, etc. at specific altitudes, latitude, and longitude throughout the world. From those reference points, additional computations can estimate the conditions for virtually any point on the globe.

However, predictions are just that – the further out in time, the less accurate they are likely to be.

The NOAA website has abundant weather information. www.noaa.gov

On the upper right is a block “Find your local weather “. You just enter the city, state, or zip code and you can get choices of location and current or 7-day forecast. This is a recommended first stop for most.

Other big picture websites and apps are: www.windytv.com; www.myradar.com; www.intellicast.com

Exploring these and other websites and apps provide a great insight into weather anywhere.

For pilots, in addition to the FAA voice briefing or on-line flight planning tools, two others I recommend are: www.skyvector.com and <http://rucsoundings.noaa.gov/> (and the app **Skew-T**), plus <http://www.aviationweather.gov/windtemp?gis=off>



Skyvector provides METAR data for any airport and reporting station (e.g. Stampede Pass), plus wind aloft data, radar, and satellite images.

The Rucsoundings website provides a vertical graph of the temperature, dew point, relative humidity, wind direction and speed from airports or other locations through the upper atmosphere, for up to several hours in the future. From this you can see probable cloud bases and tops, plus wind speeds and shifts aloft. Especially valuable is the thickness of the cloud layer and freezing level.

The Aviation Weather website has current and predictive wind and temperature plots for the US. The jet stream activity can usually be seen at the FL300 and FL360 (30,000 and 36,000 ft. levels). This site has a volume of useful information for pilots.

Have fun exploring the weather. It can be fun for friends and family members also.
George Futas, CFII

E-mail your reservation to wpa.painedinner@hotmail.com November 4th at Le Bistro

Year in Review and Chapter Elections

CLASSIFIED ADS

submissions to Pink.Bonanza@frontier.com

Advertisements are free to WPA members for aviation related items and/or services

Space limitations will give priority to Chapter members

Paid advertising is available for non-aviation ads in the state WPA WINGS newspaper

For Sale 1979 Cessna 152II

TT:7053 hrs, Engine: 1239.4 hrs, All ADS current

Newly rebuilt slick mags, 500 lbs useful load, KT76 mode C transponder

Cessna 385A nav/com, Two extra nav/com radios + glide slope localizer

with all hardware to install making a full IFR platform!

Aero Space Logic EGT, Excellent intercom system w/ push to talk on both yokes!

Fast little 152! Excellent trainer! Hangered for the last 6 years.

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BFR's, Instrument proficiency or IFR Rating in your airplane.
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George Futas, CFII, ASME 425.260.4445 gfutas@gmail.com

Flight Instruction (private and commercial) and flight reviews call Amy Bellesheim 713-922-3011 amybellesheim@aol.com.

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Contact Alan Negrin, CFI, MEI. 425-285-9162

Glasair Aircraft Training Company, largest single re-seller of pre-owned Glasair Aircraft. Visit <http://glasairtraining.com> for the latest listings.

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Karyn F. King

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Member: AOPA, WPA, EAA, Cascade Warbirds

50% Partnership Available 1975 Cessna Skylane. Hangered at KPAE. 2300TT, 700 SMOH, IFR Certified, Garmin 430, Stec AP, Garmin 327, twin Garmin 106s, 1998 paint scheme, leather and many other upgrades. Fresh annual \$45,000. Call John 425 466 1949



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\$300 and I will donate 30% of the \$300 to the scholarship fund!

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