

Volume 38

Issue 11

November 2019



FT	3000	6000	9000	12000	18000	24000	30000	34000
BRL	1937	2211+12	2611+07	9900-09	20734	283444		
DBQ	1922	2211+12	2611+07	9900-09	20734	283444		
DSM	1919	2211+12	2611+07	9900-09	20734	283444		
MCW	1709	2211+12	2611+07	9900-09	20734	283444		
JOT	2229	2215+18	2106+13	2706+06	3205-09	9900-19	1433	182544
SPI	2028	1921+18	1911+12	9900+06	3611-10	3408-20	191034	161745



EAA Chapter 790

Lake in the Hills, IL

790.eaachapter.org

October Chapter Presentation



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Matt Van Bergen and Ole Sindberg hosted an IMC/VMC club discussion on a past flying scenario. A pilot flew to Rapid City, SD to pick up his mother in a Cessna 177. Upon arriving at Rapid City he checked the return flight weather and departed with his mother while climbing to 8,500 Ft. Soon he ran into snow and IMC conditions. Calling ATC he tried to file an IFR flight plan, then his radios and nav aids went dead. He immediately turned around.

A lively discussion ensued when the group was asked what would they now do. Must be there to get the answers.



October shop Visit– Jeff Dingbaum's RV14

Attendees: *Paul Ranieri, Lon Danek, Ron Liebmann, Carl Geiger, Frank Logalbo, Jim Bertoglio, Ole Sindberg, Tom Solar, Dale Randol who is thinking about purchasing an RV, and Dave Stokes back from knee surgery.*

Donuts and Coffee were awaiting the attendees. Jeff is doing the construction at his home in his basement. The tail fuselage portion is in his garage. Jeff has calculated he can move the wing and other assembled parts up the basement stairs and through the removed basement door. Nice planning eh?

Jeff is planning on acquiring a Lycoming IO-390 A2B6 210 HP engine and using the Dynon EFIS cockpit displays. Interesting kit items: Detachable wet wing fuel tanks, color coded wiring supplied for easy installation and troubleshooting, pre bent wing skins, D style wing inspection plates for easy fuel tank removal, float fuel sensors, skins pre drilled but require dimpling and deburring, plans laid out in book fashion in order of build.

Inspector Generals



Jeff is configuring a mount for a heated pitot tube and has acquired a Depstech endoscope which works with an I pad or cell phone-model NTC50HD approx.. \$25.

Shop tools include: 2 Tungsten small bucking bars for small spaces (very heavy), dimpling machine, Drill Press, Heavy Duty Vise, Bench Grinder and Buffer, Vertical Sander, Pneumatic Side Rivet Tool, AN Parts Bin, Dies, Band Saw, Compressor and Air Tools. *(Continued Page 4)*



Removable Wet Wing Fuel Tank



Member News

Eddie Ranieri completed his solo in record time, Congratulations Eddie! Eddie continues his flying instructions and is working on his Ground School Studies. Upon completion of the FAA exam, EAA will be rewarding him with a Zulu ANR headset.

Jim Roozee found a fix for his Ercoupe fuel overflow leaks. The Ercoupe has three discharge ports one needed to be closed to prevent further leaks.

Dave Stokes is recuperating from knee surgery

Jeff Dingbaum located the problem in his RV build fuel tank pressure test. He Installed a new balloon and the pressure holds just fine.

An **Appreciation Dinner** is scheduled for all those members and their families who have assisted the Chapter in this past year with the Pancake Breakfast, Young Eagles, Build Project Assistance and any other Chapter Events. It will be held on Saturday November 23rd (get your stomachs ready for Thanksgiving) at Moretti Ristorante and Pizza at 220 Randal Rd., in Lake in the Hills at 7:00 PM. Please RSVP to Paul Ranieri. Thanks to all who have made 790 a Great Chapter.



October shop Visit– Jeff Dingbaum's RV14 (Continued from page 2)

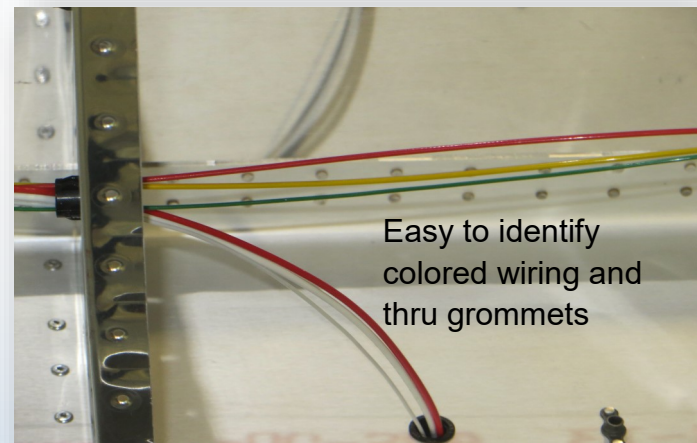
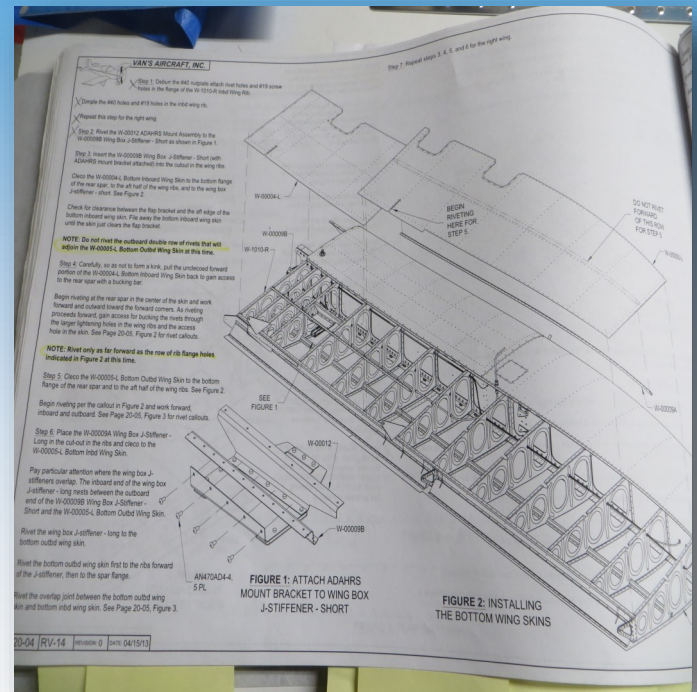
One Wing skinned w/attached fuel tank on leading edge of wing is completed.

Other Wing $\frac{3}{4}$ skinned, elevator and fuselage tail section complete.

Build time to date, three years, which includes one year of remodeling upstairs.

After wing and empennage completion, the next order will be the fuselage.

Very Nice Work Jeff



Drone and Radio Control Model Airspace

The last couple of years there has been a lot of discussion about where Model Airplanes can fly. It used to be they could not fly within 5 miles of an airport without special permission. With the proliferation of Recreational Drones and now Commercial Drone usage, The FAA has set upon certain rules and regulations for Drones and Model Airplane Airspace restrictions. Those restrictions make it more complicated for the Model Airplane community yet it is a necessary step to protect General Aviation and Commercial Aircraft operations.

Being an AMA (Academy of Model Aeronautics) builder and sometimes flying member, I prefer to fly the GA aircraft when available, here is an interesting excerpt on those rules and regulations for Drone and Model Aircraft Airspace. At this time 400 ft. AGL is the maximum height with restrictions lower as explained in the article below.

Reprinted in part from the November 2019 issue of Model Aviation

Welcome to the Big Leagues

Recreational pilots can now access airspace that is controlled down to the surface... To accomplish this, you will use the same system as licensed commercial drone operators, the Low Altitude Authorization and Notification Capability (LAANC), pronounced, Lance, to obtain authorization for flights in controlled airspace. Gone are the days when you could not fly within 5 miles of any airport without contacting the airport manager. *FAA Section 44809. There is no distinction between Drones or model airplanes.*

LAANC makes most of the airspace available in real time via an app on a pilots smartphone. The app mentioned in this article is "AirMap" which is a free download. Go to the location you wish to fly, launch the app and it will use your location and launch the grid in your area if close to controlled airspace, This grid will show the maximum height above ground you can fly and request permission for you to fly automatically. A text message with the authorization number will arrive in seconds. If no grid is launched and your in class G airspace, no authorization is required and the app will show you the rules and regulations you may fly under.

Recreational Model and Drone pilots must also abide by TFR's and model aircraft and Drones must yield the right of way to full scale aircraft.

Hopefully this information is valuable to you and your Drone and Model Airplane friends.

Tom Solar, editor

Calendar of Events

- Nov 16th, Fly Out to Schaumburg Airport for lunch. Contact Paul Ranieri if attending and if you need a ride or have open seating.
- Nov 23rd, Chapter Volunteers Appreciation Dinner, Moretti's Ristorante and Pizzeria, 220 Randal Rd., Lake in the Hills Sat. 7:00 PM, please RSVP Paul Ranieri
- Nov.26th, Chapter Meeting 7:00 PM LITH airport. Colin Stagnito AOPA Editor will talk about AOPA and will entertain questions.
- November 28th, Giving Thanks
- Dec.3rd Chapter Board Meeting, Pilot Pete's Schaumburg Airport, 6:30 PM
- Tuesday Dec 17th Chapter Christmas Social at Paul Ranieri's home, 1052 W. Wood St., Palatine, IL 6:30 PM. No chapter meeting on Dec 24th.
- Check the Chapter Website "<http://www.790.eaachapter.org/>" for any additional details and a list of local chapter events in the area



Send any of your aviation adventures, pictures, articles or humor you would like to appear in the Newsletter to:

tomsolar@sbcglobal.net

Yes its Dues 2020 Renewal Time (Darn)

Dues can be paid on line at our Website 790.eaachapter.org or mailed to the below address

First Name: _____

Last Name: _____

Spouse: _____

EAA Membership Number: _____ (Must be an EAA member)

Street Address: _____

City: _____ State: _____ Zip: _____

Home Phone: ____/____-____ Cell Phone: ____/____-____

Email Address: _____

Own Aircraft: yes or no Model or Type: _____

Aircraft Project: yes or no Model or Type: _____

For Young Eagles

If you have completed Youth Protection training, what was the date _____

If you have completed the background check, what was the date _____

Dues

\$25.00 Family/Individual Renewing Membership _____ \$10.00 Family/Individual First-Time Membership _____

\$10.00 Out of State Membership _____ \$10.00 Student Membership _____

Please make checks payable to "EAA Chapter 790" Bring this form and payment to a members meeting, or mail to:

(NEW PO BOX) EAA Chapter 790, PO Box 685, Crystal Lake, IL 60039



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