



FT	3000	9000	12000	18000	24000	30000	34000
BRL	1937	2215+12	2617+07	9900-09	20734	223343	223343
DBQ	1922	2215+12	2617+07	9900-09	20734	223343	223343
DSM	1919	2215+12	2617+07	9900-09	20734	223343	223343
MCW	1709	2215+12	2617+07	9900-09	20734	223343	223343
JOT	2229	2215+12	2617+07	9900-09	20734	223343	223343
SPI	2028	1921+18	1911+12	9900+06	3611-10	3408-20	191034
							161745

*Winds Aloft*



**EAA Chapter 790**

**Lake in the Hills, IL**

**790.eaachapter.org**

### June Chapter Gathering

It was nice to see lots of folks at the Thursday Social Gathering. Paul provided and cooked the hot dogs, brats and hamburgers. Lots more people attended but Tom was busy socializing before he remembered to take pictures.



### *In this Issue*

- June Chapter Meeting
- Scholarship winners Update
- Bill Lear and Motorola
- Matts ForeFlight Tip
- July 11th Fly Out
- Chapter Staff and Contacts

### Were in Phase IV



## Ray Aviation Scholarship Winners 2019 and 2020

Eddie Ranieri our 2019 winner is back to flying after delays in CFI availability and Covid 19. He has passed his written and soloed as past reported and now has 27 hours of flight time. Eddie was awarded an ANR Light Speed Headset in June. Thanks to Dave Leiting from EAA and Kelly from Lightspeed.



Mark Luchsinger has completed 12 hours of flight training. He met with Josh White, the Cottonwood Chapters Scholarship winner at Poplar Grove. Mark is getting ready for his written test and is close to soloing.



## Bill Lear and Motorola

Bud Herod passed on a bit of history which may interest some of you. It applies to an international company, Motorola, which started here in Illinois and has roots back to aviation and one of its famous employees. Here is a synopsis.

In 1929 two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River Town of Quincy, IL to watch the sunset. At the time car radios received ignition noise while the car was running. Since this was a cold evening with the car and heater running a lot of noise was coming over the radio. Lear decided to see if he could fix this and experimented. He found that using a bypass capacitor and resistors at a particular resistance in the wires eliminated that problem. For you who can remember one could order either the OEM ignition wires or the new resistive wires, now standard on all auto's. He also made and sold car radios using his newly designed and highly efficient inductor coils.

Well jump ahead a few years and Motorola heard about this young genius and hired him. Bill Lear worked a few years at Motorola and ever the wondering experimenter and aviation enthusiast he set out on his own. You see Lear was born in Hannibal, Mo and at age seven his mother moved to Chicago, lived close to Grant park Airport, which he visited frequently. He loved to talk with the air mail pilots, clean floors and be around airplanes. He dropped out of Englewood high school because they didn't teach airplane mechanics and he knew more about radios than the teachers. After wandering he joined the navy at Great Lakes and taught radio fundamentals. He then decided to design some aviation instruments knowing the airmail pilots he ran around with were navigating by primitive means and dallied with using metal tape to play music.

Some of Bill Lear's more than 150 Patented inventions; Northerly Seeking directional gyro, Lear and Ward Davis ADF-8 direction finder, R3 Receivers, UT6 transmitters, first automatic pilot for jets, steam engine for buses, the Lear Jet, the Lear Fan and yes the 8 track tape and player.

*Additional information from "Stormy Genius, The life of Aviation's Maverick Bill Lear"*

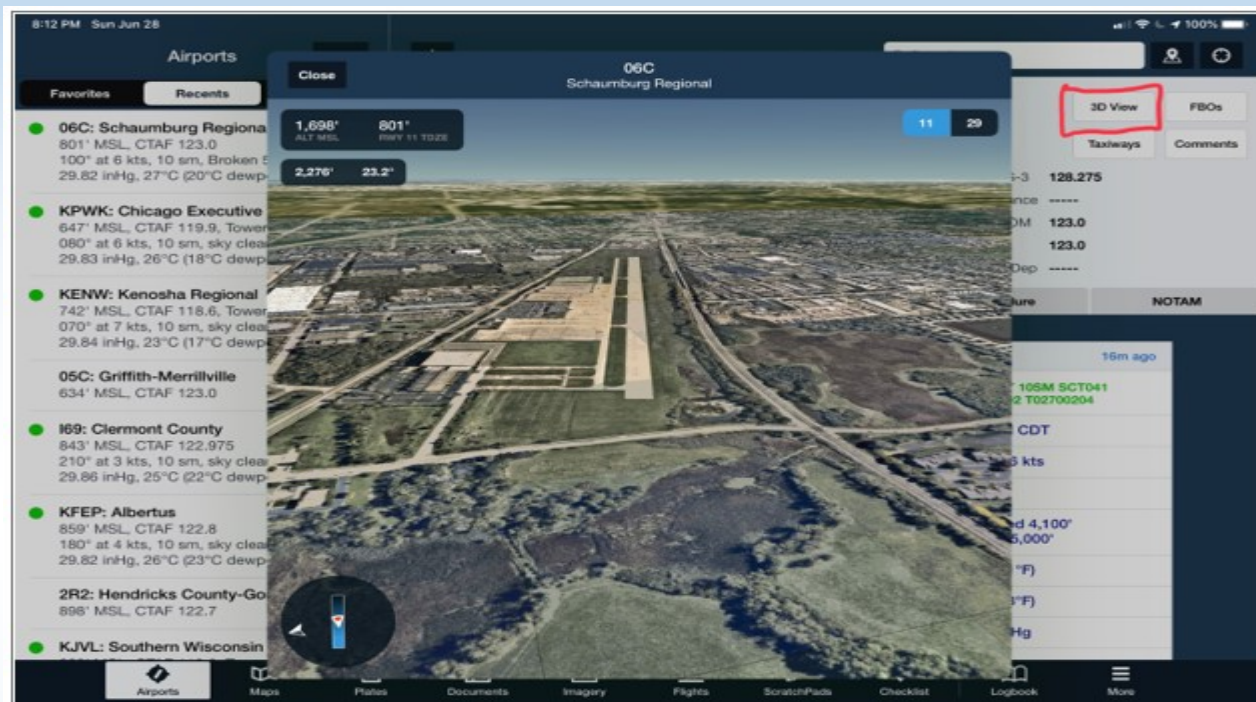


## Matts' Tips

Matt Van Bergen has volunteered to provide monthly tips from the Foreflight App.

### Foreflight Tip: 3D Airport View

3D Airport View was a feature that was released in early 2019. It's a nice feature to leverage for departure briefings (i.e. if the engine goes silent and you need to find a place to put it down when the impossible turn back is not possible) as well as nice to review when you might be going to a new airport and want to get a bit more situational awareness around the airport prior to your approach and landing. You can access the airport 3D view from the "3D View" button on the airport detail page as shown below and highlighted in red.



## Calendar of Events

- July 11th, Fly Out Chuck Binzels Airport
- July 21 Chapter Meeting LITH Airport
- August 4th Board Meeting
- Check the Chapter Website "<http://www.790.eeachapter.org/>" for any additional details and a list of local chapter events in the area

*"I fly because it releases my mind from the tyranny of petty things". Antoine de Saint-Exupery*

## July Fly Out

A July 11th fly out is schedule to Chuck Binzels private airstrip in Lower Wisc.

We have scheduled this the past two years, unfortunately the wet weather intervened. Guess what we are now getting some more of that wet stuff. So keep your fingers crossed.

The chapter will provide the food and beverages. Plan on arriving about 10 ish while the winds are still down. Bring a folding chair if you can fit it in your plane. Drive in Fly In is fine.

Chucks Airport WI95 N/S Turf is at the West end of Kenosha Airspace. Contact Kenosha tower on 118.6 and inform them of your location. ATIS is 127.175. Contact Paul Ranieri for number attending. 847/997-0135 p.ranieri@comcast.com



Driving: Take Hwy 50 go North on Hwy D. go East on Hwy K also known as 60th St.

HAPPY 4TH OF JULY

## EAA Chapter 790 Staff

### OFFICERS

#### President

**Paul Ranieri**

847/997-0135

P.ranieri@comcast.net

#### Vice President

**Matt Van Bergen**

847/561-0520

mvanbergen@gmail.com

#### Treasurer

**Mike Petrie**

847/987-2708

m\_petrie@live.com

#### Secretary

**Brad DeLisle & Tom Solar**

847/276-5026

delisle.nx@gmail.com

### Flight Advisor

**Glen Brisson**

847/438-7786

### Young Eagles

**Matt Van Bergen**

847/561-0520

mvanbergen@gmail.com

### Newsletter Editor

**Tom Solar**

847/468-9437

tomsolar@sbcglobal.net

### Website

**Tom LeGates**

847/462-1791

trlegates@comcast.net

### Flight Advisor/Tech Counselor

**Ron Liebmann**

847/352-8282

**Mike Perkins**

217/725-0628

**Ole Sindberg**

847/826-1935

### DIRECTORS

**Paul Ranieri**

847/997-0135

P.ranieri@comcast.net

**Matt Van Bergen**

847/561-0520

mvanbergen@gmail.com

**Brad DeLisle**

847/276-5026

delisle.nx@gmail.com

**Mike Petrie**

847/987-2708

m\_petrie@live.com

**Tom Solar**

847/468-9437

tomsolar@sbcglobal.net

**Lon Danek**

847/381-4286

LDanek417@aol.com

**Ole Sindberg**

847/826-1935

oleeva@sbcglobal.net

WINDS ALOFT, the six time EAA international Newsletter award winner, is published Periodically by EAA Chapter 790 for the use and enjoyment of its membership and others to whom it is provided. No claim is made to the accuracy or validity of the content presented in this publication. Editorial content is the opinion of the contributor and does not necessarily reflect the position of Chapter 790 or of the Experimental Aircraft Association (EAA). Permission is granted to others to use any non-copyrighted material appearing in this publication so long as credit is acknowledged.