

Volume 38

Issue 12

December 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	191034	161745
SPI	2028	1921+18	1911+12	9900+06	3611-10	3405-20	191034	161745

Winds Aloft



EAA Chapter 790

Lake in the Hills, IL

790.eaachapter.org

November Chapter Presentation



In this Issue:

- Chapter Meeting
- Airport Winter Runway Conditions
- Members Appreciation Supper
- November Fly Out
- Aviation 3D Printing
- Huntstable Electric Turbine
- Member News and Calendar of Events

November's meeting was highlighted by our featured speaker and chapter member, Kollin Stagnito. Kollin is the VP of publications for AOPA and is responsible for the monthly publications the organization distributes to its members. Kollin is a private pilot who has owned a few planes including a homebuilt and his current C-140 which he occasionally flies to AOPA HQ in Maryland.

Kollin spoke of the youth advocacy that AOPA champions and, like EAA, their involvement with the Ray Aviation Scholarship program. The AOPA believes its mission is to encourage general aviation and targets the age group beyond EAA's mission, the late teens and twenties. AOPA has supplemented the Ray Aviation Scholarship fund with donations within AOPA to help even more students reach their dreams of earning a private pilot's license.

Another big part of AOPA's mission, in fact the very reason for its formation eighty years ago, is to advocate for the rights and support for general aviation with various federal, state and local governments. The AOPA works with the FAA and Congress to negotiate on behalf of the 600,000 plus active pilots for rights and changes from BasicMed to the 2020 ADS-B out mandate. Kollin also explained how the AOPA is proactive in Washington, always keeping their finger on the pulse of the politicians and making sure they are educated on aviation before any well-intentioned bad ideas take hold.

Thank you to Kollin for the wonderful presentation and to all those who could attend, it was time very well spent. *By Paul Ranieri*

Winter Runway Conditions

While planning a flight this winter it is nice to know the airports runway conditions. An up-dated system has been developed and the conditions are noted via Notams. Below is a discussion of the format and how one can find the up to date Notam for a specific airport.

Runway Condition Codes are disseminated via one or more of the following methods:

Federal NOTAM System, preferably through NOTAM Manager or equivalent system's;
Air Traffic Control Facility (corresponding Tower, Center, Tracon, etc.);
Flight Service Station (FSS) (as applicable); and
Directly from airport operator via Common Traffic Advisory Frequency (as applicable)
Breaking action can be reported via airport management or Pirep which can be forward-
ed as a Notam

FICON is a term meaning Field Conditions and will precede a Notam report

Winter Runway Condition Codes

(In direction of takeoff and landings)

Runway condition Assessment Matrix (RCAM)

From: **touchdown**, **midpoint** and **rollout** i.e. 5/4/3

RwyCC

6= dry

5= wet, slush, dry or wet snow less than 1/8"

4= compacted snow

3=slippery when Wet, dry or wet snow over 1/8"

2= greater than 1/8" water or slush

1= ice

0= wet ice, slush over ice, snow over ice

Good

Good to Moderate

Medium

Medium to Poor

Poor

Nil



Mu: the coefficient of friction is no longer used and any airport which has a "NIL" breaking action condition must be closed.

These Notams may be pulled up via computer at the FAA Website titled: <https://notams.aim/faa.gov/notamSearch> or via airport Notam information in Foreflight

!CMX 11/242 CMX RWY 13 **FICON** 5/5/5 80 PCT WET 100FT WID REMAINDER 1/8IN WET SN OVER COMPACTED SN OBS AT 1911171741. 1911171741-1911181741

(An example with explanation is continued on the next page)

Winter Runway Conditions *(continued)*

Example:

!GRB 11/382 D25 RWY 14 **FICON** 3/3/3 100 PCT 1/2IN WET SN OBS AT 1911171603.
COND NOT MNT 1911171630-1911181400. 1911171605-1911181605

Issuing Airport: (D25) Manitowish Waters

NOTAM Number: 11/382

Effective Time Frame Effective Time Frame

Beginning: Sunday, November 17, 2019 1605 (UTC)

Ending: Monday, November 18, 2019 1605 (UTC)

Affected Areas Affected Areas

Runway: 14

Condition: 3/3/3 100 PCT 1/2IN WET SN

Observation Time: 1911171603



An **Appreciation Dinner** was held for those who volunteered for the many functions for our Chapter, including: Young Eagles, our annual scholarship pancake breakfast fundraiser, board and chapter officers, work shop visits or other events where members contributed their time and talents. It was held at Morettis on Saturday November 23rd. Thanks to Everyone for their contributions for making 790 a Great Chapter



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

"tomsolar@sbcglobal.net"

Calendar of Events

- Dec. 5th 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.
- December 25th Christmas
- Check the Chapter Website "<http://www.790.eaachapter.org/>"
for any additional details and a list of local chapter events in the area

Member News

Ed (Bud) Berthold celebrated his 100th Birthday with friends on Sunday at the Arbo-retum in Buffalo Grove. He was compared with another famous actress who was born on November 20 as a pure "10". Congratulations Bud! You still look 65.



Here is **Eddie's** Solo Picture. We just received the 2nd distribution from EAA so that Eddie can continue his flight training.



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

"tomsolar@sbcglobal.net"

November Fly out to Pilot Pete's

We had a huge turnout of 26 people for the Fly Out on November 16th. Chuck Binzel, Lon Danek, Jim Bertoglio, Ole Sindberg, Rich Oleszczuk, and Jim Roozee flew there planes. Others attended were Eddie Ranieri, Jim Ranieri, Paul Ranieri, George Roby, Ron Liebmann, Steve and Amana Omale, James, Candi and Amy Tan, Ryan Healy, Frank Logalbo, Lance Scholte, David Stokes, Matt Van Bergen, Kirsten Freund, Clyde Ericson, Mike Petrie, Steve Kowall and Tom Solar. It was especially good to see that Jim Roozees' plane is once again flying. What a great setting!



Future Aviation Items of Note

the **Hunstables** say they've created "a new class of electric motor" called the Hunstable Electric Turbine (HET), promising that "For the same size, same weight, same volume, and the same amount of input energy into the motor, we will always produce... two to three times the torque output of any electric motor in the world."

3D printing for the Aviation Industry. Numerous companies and organizations have been developing parts for the aviation industry via 3D printing and research i.e. NASA, Boom Supersonic, GM-Boeing partnership with HRL Laboratories out of Malibu, Ca. incorporating aluminum Alloys and The GE AddWorks branch of GA-ASI Metal printing for Drones. How else will spare parts be available for such trips to the moon and MARS eh?

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

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.