



FLEMING FLYER

FFAA Meeting – Tuesday, December 1, 6:30pm Potluck Dinner, 7:00pm Business Meeting
Program: TBD

FFAA Elected Officers

President

Mike Bergeson
651-336-6914
msbergeso@hotmail.com

Vice-President

Ami Sela
612-860-3734
selaami@comcast.net

Secretary

Amy Gesch
amylgesch@gmail.com

Treasurer/Membership

Robyn Shear
robyn.shear@gmail.com
952-431-1765
Contact Robyn for FFAA membership
application or renewal

Appointed Positions

Activities

Greg Bauer

Newsletter Editor

Amy Gesch
amylgesch@gmail.com

Airport Manager

Philip Tiedeman
651-554-3350

2015 Calendar

1st Tuesday each month – FFAA
3rd Tuesday each month – EAA 1229

President's Pen

by Mike Bergeson

That Thing We Don't Think About

Most of us who call Fleming Field our home airport have a very interesting device attached to the front of our airplanes. Yes, it does go around and around, but I am not talking about the propeller. I am talking about the engine. Whether we fly for work, travel, or sanity, we do it because of a wonderful thing called an internal combustion engine.

Inside of the engine there are a whole bunch of parts that rotate and slide in unison. All of this rotating and sliding takes gasoline and air and converts it to energy that is used to spin the propeller. I think most of us take all of this for granted. We get into our airplanes, start the engine and go fly. We never think of the amazing process that is happening beneath the cowl that allows us to enjoy the ultimate freedom.

My Cub has a Lycoming O-320. This is an extremely common engine. I am sure that many of you have soared through the sky with the help of an O-320. The typical TBO for this engine is 2000 hours. So what happens inside of an O-320 during those 2000 hours? Over the life of the engine the crankshaft will rotate approximately 300 million times, give or take a few million revolutions.

The piston is even more remarkable. For every revolution of the crankshaft, a piston must stop twice and reverse direction. 600 million times each piston will start and stop between overhauls. The average speed of the piston is about 18 miles per hour at cruise. Well, that doesn't sound very fast, but remember it comes to a complete stop and reverses direction twice for every revolution, reaching a maximum speed approaching 30 miles per hour at mid stroke. Over the life of an O-320, the piston will travel about 37 thousand miles, 3.875 inches at a time.

With everything that is happening inside the engine, it is absolutely amazing how reliable it is. Given proper lubrication, fuel, and maintenance, an engine will run



predictably for many years without any issues. Very seldom will an engine just quit if it is properly cared for.

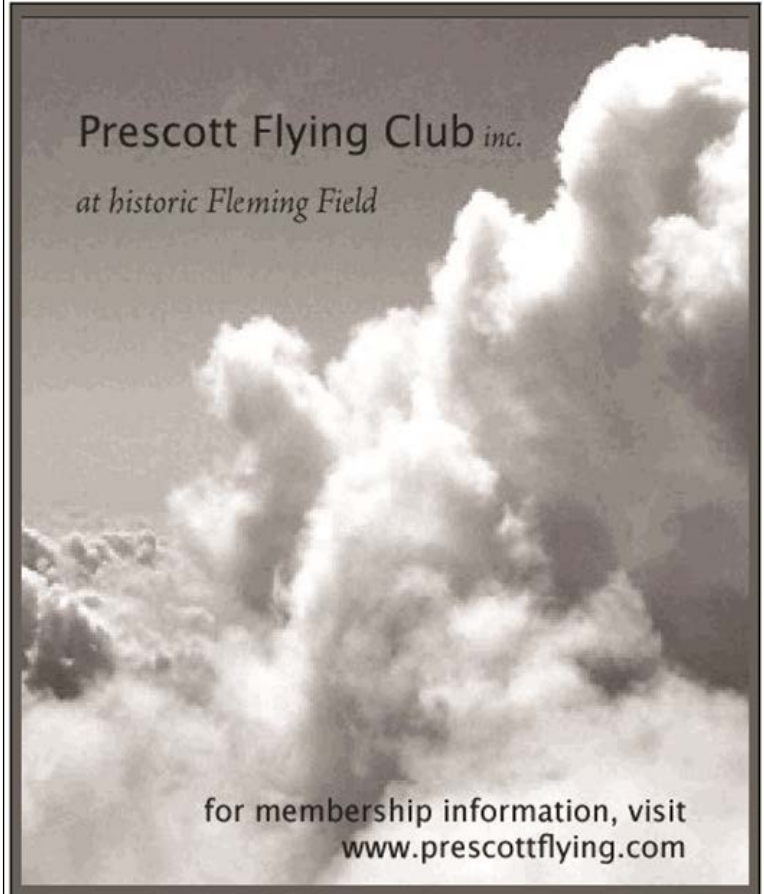
The next time you turn the key and your propeller starts to turn as the engine comes to life, remember what a magnificent piece of machinery is attached to the front of your airplane. A magnificent piece of machinery that is about to carry you to places most people can only dream about.

FFAA Meeting Minutes — November 3, 2015 Meeting

1. The meeting was called to order at 7:01 PM by President Mike Bergeson.
2. Minutes for the previous meeting approved as published in the Fleming Flyer.
3. Treasure's Report by Robyn Shear
 - a. Beginning Balance: \$3,480.07
Interest: \$.03
 - b. Ending Balance: \$3,480.10
 - c. Treasurer's report approved
4. Old Business: "We are all old"
5. New Business - The December meeting is election month; officers are up for election (President, VP, etc.).
6. Activities Report:
 - a. Cloquet fly-out scheduled for Sunday, November 8th.
 - b. EAA Chapter 1229 is hosting an FAA seminar on engine failures on November 17th. December EAA programs pending.
7. Airport Manager's Report:
 - a. The airport is continuing to work on updating the contact information for each gate card and link it to the card. As of November 3, 377 of the 1,405 gate cards had been validated. 62 were confirmed as lost/stolen, with the remaining cards pending. Approximately 26% of the cards are accounted for. Gates and doors will be locked beginning December 1, but all cards will still function. On February 1, any unvalidated cards will be locked out.
 - b. Lessees of city T-hangars are requested to advise the city of any issues prior to the arrival of cold winter weather. Leases will go out at the end of November and will include a 3% rate increase.
8. The meeting was adjourned at 7:11 PM.

Update your gate cards!

**See Joe or Philip at the terminal to do so,
or complete the emailed form.**



Airport Manager's Corner — December 2015

Perimeter Maintenance: This week airport maintenance personnel trimmed trees, repair signage and fencing, and conducted other maintenance activities along the perimeter fence to prepare for winter.

Fleming Field Aviation Association (FFAA): Tuesday, November 3rd, the FFAA held their monthly meeting. The main talking points at this meeting included the upcoming elections for FFAA officers for the New Year and the gate card audit being conducted by the airport.

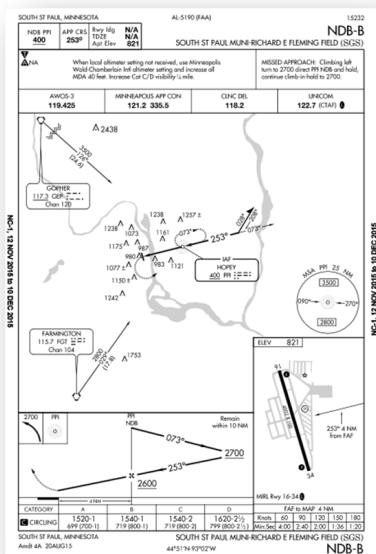
Punch-list Review: Wednesday, November 4th, consultants, contractors, and airport staff conducted a review of the remaining punch list items.

Ice Machine: Friday, November 6th, the donated ice machine was installed. This ice machine will allow the airport to provide an enhanced service to the flying community.

New Phillips 66 Sign: A new Phillips 66 sign was installed. The previous sign was damaged in a wind storm. Phillips 66 says the new sign with a grey background will stand out better as opposed to the previous black background.

Minnesota Council of Airports (MCOA): Airport staff attended the monthly Minnesota Council of Airports meeting held at the MnDOT Office of Aeronautics. Updates were provided by MnDOT, the FAA, the MCOA Director. In addition, presentations were presented by the FAA/MnDOT regarding project prioritization and FAA reimbursable agreements.

NDB-B Approach: The FAA issued a final rule in the Federal Register that removes certain redundant or underutilized ground-based non-directional radio beacon (NDB) and VHF omni-directional range (VOR) Standard Instrument Approach Procedures (SIAPs). The FAA proposed removing/cancelling 736 procedures. Of those, 191 were selected to be reevaluated at a later date and removed from the list. The South St. Paul Airport (SGS) NDB-B approach was fortunate to be one that will remain. A copy of the approach is shown off to the right.



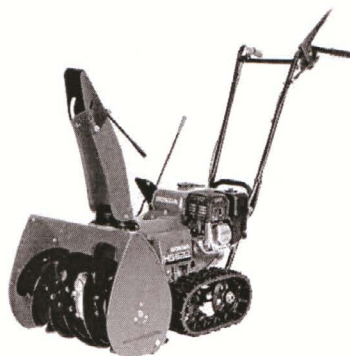
The Final Rule can be found in the Federal Register / Vol. 80, No. 217 or at the following link: <http://www.gpo.gov/fdsys/pkg/FR-2015-11-10/pdf/2015-28478.pdf>.

FAA Safety Team | Safer Skies Through Education: Tuesday, November 17th, the Experimental Aircraft Association (EAA) Chapter 1229 sponsored a seminar, "Engine Failures in Single-Engine Airplanes." Engine failures are like sharks: Everyone's afraid of them, but they bite very few of us. No matter how rare, when one happens we've got to get it right the first time. In this seminar the FAA speaker discussed the causes of engine failure, risk management strategies, and how to get on the ground safely in the event one happens to you. The conference room was Standing Room Only for this event. There were approximately 90 interested personnel who attended.

Tractor: Our new John Deere 6115M tractor, flail mowers, and broom, were delivered on Wednesday, November 18th. Minnesota Machinery and Diamond Mowers then held a training seminar on Thursday, November 19th for Airport personnel and City maintenance personnel on the care and

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PARTS

by Wipaire

Wipaire is now offering a range of new and overstock parts for sale online. These include a variety of avionics, Cessna parts, Wipaire parts, de Havilland parts and other miscellaneous items.

10% off for Fleming Field Tenants*

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operation of the tractor and attachments.

MN Weights and Measures: Came out on Wednesday, November 18th; they conducted the required validation of the accuracy of the airport fuel pumps. Two out of the three systems passed, the third pump was just outside of the permissible range. That pump is within an allowable range to continue to use but will be adjusted in the coming weeks.

Home Demolition: The duplex and home that were in our Runway Protection Zone are finally being demolished. This process has been in the works for about a year now. Frattalone Construction/Demolition won the bid and is currently demo'ing the two properties. In the picture the duplex has already been taken down and the house is in the final stages. Once the structures have been removed Frattalone will remove all debris and any of the subsurface structure left. They will then fill the holes and grade the area flat.

Drones / Unmanned Aircraft Systems (UASs) / Unmanned Aerial Vehicles (UAVs): FAA officials said as many as one million small unmanned aerial vehicles (UAVs) could be sold during the upcoming US holiday season. The FAA announced the formation of a task force to develop a process for owners of small Unmanned Aircraft Systems to register their aircraft. Drone owners should visit <http://www.faa.gov/uas/> and <http://knowbeforeyoufly.org/> for official updates on the unmanned aircraft registry.

Unmanned Aircraft Safety guidelines:

- o Fly below 400 feet and remain clear of surrounding obstacles
- o Keep the aircraft within visual line of sight at all times
- o Remain well clear of and do not interfere with manned aircraft operations
- o Don't fly within 5 miles of an airport unless you contact the airport and control tower before flying
- o Don't fly near people or stadiums
- o Don't fly an aircraft that weighs more than 55 lbs
- o Don't be careless or reckless with your unmanned aircraft – you could be fined for endangering people or other aircraft

Gate Card Audit: The audit is ongoing. We have been working on the audit for just over 2 weeks and from the current numbers we are moving right along. Our current numbers are listed below.

	Cards	Percentage	%Δ Oct/Nov
Validated	491	34.6%	+16.1%
Deactivated (Lost/Stolen/Broken/Misplaced)	70	4.9%	+0.7%
Pending	860	60.5%	-16.7%
Total	1,421	100.0%	

Note: figures current as of 5:00PM on 11/30/2015

On December 1st, the gates will be locked and operable via airport issued gate access cards. On February 1st, all gate access cards not validated in the new system will be deactivated. However, anyone who still wishes to use their card after this date may validate their old card and reactive it.



Fleming Fly Market

WANTED – good ads from members...

Ads are FREE to Members! \$1.00 per item for non-members. Ads will run for one calendar year (January through December) and will then be removed. This is because most people who place ads never contact us to remove them even if the item has sold. You may place the same ad again if you wish. Email amylgesch@gmail.com to place an ad.

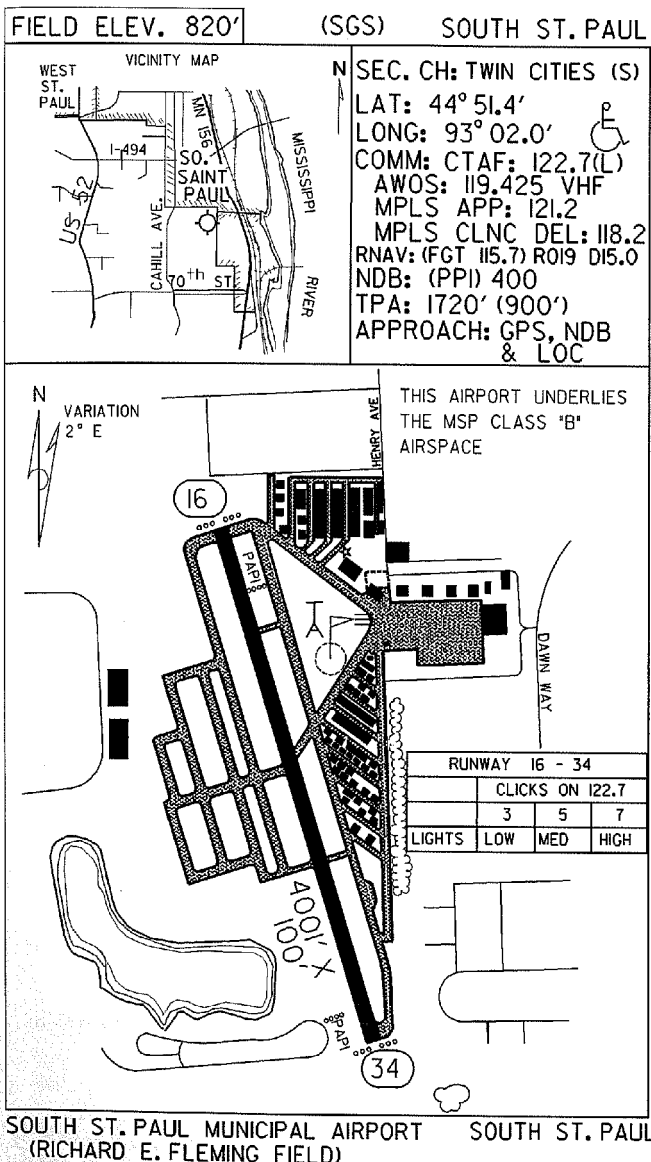
Advertising Rates	1/2 page: \$10/month
1/4 page: \$5/month	3/4 page: \$15/month
1/3 page: \$7/month	full page: \$20/month

FOR SALE

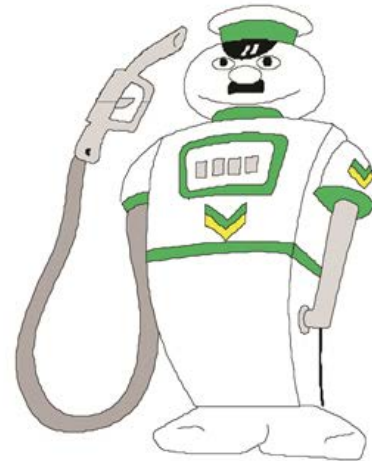
40x40 hangars for rent/sale, 60x60 hangar for sale, 20 year terms. 612-709-9646

1963 Cessna 150 - \$18,900

TTAF 5600, 700 since overhaul by Bolduc in 2000, KX155 Nav/Com w/ glideslope, Narch 810-R com, KLN89B IFR GPS, 406 ELT, alternator conversion in 2014, Hooker harness/lap belts in 2012, Tanis engine heater & cowling cover, Whelen strobes (wingtips & belly), heated pitot, LED landing light, new carpeting, flown regularly. Pictures on Trade-a-Plane. Chuck Losinski, N2043Z@comcast.net or 651-334-6682



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100LL	\$4.49
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Airport Manager

(651) 554-3350

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JOIN THE FFAA TODAY!

Stay informed on airport issues and ensure your concerns are heard.

Contact Mike Bergeson

msbergeso@hotmail.com