

Plane Talk News

The Des Moines Modelaires Newsletter Winter 2020

President's Message from Scott Leonard

Hello everybody - Happy New Year!

I hope this edition finds you all having an excellent start to 2020.

While I personally don't have much to report on from a club standpoint this time around, there is a fair amount of activity and news this edition mentions considering the time of year. For starters, please take a look at the 2020 calendar. Specifically, the upcoming events (especially the indoor fly). We're always open to new/different events so if you are interested in hosting/sponsoring/organizing something please let the board know.



Next, please review the FAQ from the AMA regarding the upcoming knowledge and safety test. Still a fair amount of "unknowns", but it seems this will almost certainly happen.

Finally please join me in welcoming Jeff Ferriss and Jeff Ireland to the Modelaires Board. I look forward to working with you both in the months ahead. Thanks to everybody who participated in the elections and a BIG thanks to outgoing members. We appreciate your involvement!

See you at the field!

Scott

Upcoming **Club Events** (check web site for possible updates)

- February 8 – Coffee Social (West Field 10am)
- February 15, - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March 14, - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March 21 – Coffee Social (West Field 10am)

Recreational Knowledge and Safety Test Update

The FAA announced on Monday, Dec. 9 that they have selected 12 organizations, including AMA, to make recommendations for the administration of the upcoming recreational knowledge and safety test. In September, AMA submitted a request for information (RFI) to show interest in becoming an administrator of the test. The knowledge and safety test is one of the eight statutory requirements found in the Exception for Limited Recreational Operations of Unmanned Aircraft to operate as a recreational flyer in the NAS. If you have questions, please contact us at (765) 287-1256 or amagov@modelaircraft.org.

FAQ:

Q: I have seen communications about an upcoming test. What is this?

A: Soon, all recreational flyers will have to pass the recreational knowledge and safety test. Completion of the test is one of the eight statutory requirements to operate under section 349, the exception for limited recreational operations of unmanned aircraft.

Q: When will the test become available?

A: There has not been a set release date for the test, but it will likely be rolled out in early 2020. We will continue to update our member communication platforms when new information becomes available.

Q: Who will have to take this test?

A: All recreational flyers will have to pass the test once it comes out. It is written into law and required of all recreational flyers to pass the test and maintain proof of passage. While we don't have plans to require the test for membership, we should keep in mind that the FAA could require testing for our members as a requirement for CBO recognition.

Q: I have been an AMA member and flying model aircraft for years. Why do I need to take a test?

A: The test will be an educational opportunity for all UAS operators and will show that AMA members have been demonstrating safe and responsible operations. It may be redundant for some who have operated safely in our community for years, but it will help educate the general public about the rules of the airspace.

Q: I noticed multiple organizations on the list sent out by the FAA. Why are there more than one?

A: The objective is to develop a relationship between the FAA and third-party entities that will allow the entities to be able to administer the knowledge, training, and test content on various platforms that are positioned to maximize access to the recreational flier community.

Q: Will there be a fee associated with taking the knowledge and safety test?

A: If the AMA decides to administer the test, we plan to provide the test to our members at no

additional cost.

Q: What will the test look like? I am nervous that I will not pass.

A: AMA has been working closely with the FAA through the entire testing process and we held a seat on the testing review board to help develop the questions. This helped steer the direction of the test and gave the perspective of a recreational flyer. We are being told that the test will be approximately 25 questions. If the tester misses a question, the test will bounce back to the question and have information for the tester to read and reselect an answer. The test will not be as extensive as a [part 107 test](#).

Q: I would like to study for the test. How can I go about doing so?

A: The plan is that AMA will begin with education and outreach around the knowledge and safety test requirement, followed by an interactive and flexible online or in-person testing platform that allows the test taker to learn. Lastly, we plan to provide proof of completion/passage via email and follow-up to retake the test as required by the FAA.

Q: Will the test be reoccurring, or will I only have to take it once?

A: Some details regarding the test are not clear yet, therefore, we are not sure if this will be a one-time-only test or will have to be retaken after a certain amount of years. AMA has proposed different solutions for members regarding a reoccurring test.

Q: Where will the test be administered, online-only or will it be written?

Currently, there is not a definite answer to where the test will be administered. AMA has asked that a written and an online test are available to the public to take. We want our clubs and members to have the opportunity to take a written test at a fixed location.

Q: What is the minimum age for the test? How are children going to be able to pass this test?

A: The test will be available for all ages, however, children under the age of 13 will need consent from their parent or guardian. AMA works to ensure the safety of all members including those under the age of 13.



2020 Penguin Fun Fly

The 2020 Penguin Fun Fly was very well attended. No surprise as it was the warmest Penguin fly in memory! Just a bit windy but not enough wind to stop many guys from flying. Everyone who attended received a wooden commemorative gift designed and created by LaVerne Sanders. Everyone who flew also received a leather version of the commemorative gift. Steve Clime won the award for the first flight of the year! As usual there was plenty of food for all to enjoyed. Spaghetti and meatball, hot and spicy chili, and key lime pie in a cup to just name a few.

Thank you all who attended.



Patience makes 3-D printing a perfect hobby for LaVerne Sanders. The retired software engineer has a passion for figuring things out. He has become known for the circular flying discs he designs and makes in his Urbandale basement.

CITYVIEW

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3-D printer makes flying saucers?

By Jeff Pitts **12/4/2019**

LaVerne Sanders enjoys the challenge of making things fly.

Tucked in the basement of LaVerne Sanders'

Urbandale home are three unique looking machines. Sanders combines these apparatuses — a laser, a CNC machine and a 3-D printer — along with his computer and a steaming mug of coffee to make one-of-a-kind objects.

“I got that guy about five years ago,” he says, pointing at his Mendel Max 3. The 3-D printer kit had to be assembled manually.

“Right down to each little screw,” he says. Similar kits now come mostly put together, but he worked for two months on his. “I’m retired now, but when I put it together, I had to work evenings and weekends.”

What exactly is a 3-D printer, and why is one helpful?

New products generally begin as a design. These designs need to become a prototype so that potential clients and investors can visualize them. But making these initial models has historically been difficult or expensive. 3-D printers help alleviate some of this burden. Imagine an inkjet printer that works in 3-D. The printer prints, or builds, objects by layering thin layers of a plastic-like material on top of another.

“In theory, you can make anything you can draw,” Sanders says, assuming you had a printer big enough, but he cautions that it isn’t as easy as it sounds. The average person with no training wouldn’t be able to do much. He estimates that 95 percent of the work, when it comes to 3-D printing, is done at the electronic drawing board with a CAD (computer-aided design software) program. Long hours at these computer drawing boards are first required, and the drawing takes time and patience to learn

“I went to school to get an electrical engineering degree but soon got into software,” he says. “I had no experience with any of this when I started.”

Anything might technically be possible to make, but not everything should be 3-D printed. Two-dimensional objects are less practical for a 3-D printer.

“That’s why it’s nice to have a CNC machine,” he says. “It’s nice to have both tools.”

Flat pieces, in particular, are done better with computer numerical control (CNC) machines that, like the 3-D printers, are pre-programmed via computer software. They move tools and wood-working machinery, such as routers, drills, boring tools and lathes.

Sanders enjoys a challenge, and he has mastered these skills well enough to become known among his friends for the circular aircraft he makes. His radio-controlled planes aren’t technically flying saucers, but, in the sky, they look a lot like UFOs — and they come hot off the presses from Sanders’ basement.

“I’m infatuated with anything that gets up into the air,” he says, motioning to the many planes positioned around his home. But only one was purchased as a kit. That’s the one he put together with his son 10 years ago. The rest are his designs.

“Everything else you see in this room, those are all mine,” he says. “We made them, drew them, cut them out on my CNC machine, put them together and made them work.

Modelaires Receive AMA Letter and Check

Nice surprise, I got my mail this morning and much to my surprise there was a check from the AMA for \$50. We received the check because Alan Annear submitted the City View interview/article Ray Pick did to the AMA. For those of you who didn't know this, the AMA gives clubs recognition for media coverage. Nice that Alan knew this.

I know \$50 isn't all that much but it's kind of nice to be recognized by the AMA for the interview Ray did and that Alan knew to send the article to the AMA.

Denis

Academy of Model Aeronautics

5161 East Memorial Drive
Muncie, Indiana 47302
(765) 287-1256 – Business
(765) 289-4248 – Fax
(800) 435-9262 – Membership Services
<http://www.modelaircraft.org>



December 26, 2019

Des Moines Model Aires
Ralph Annear 1872 NW 150th CT
Clive IA 50325

Dear Des Moines Model Aires members,

I received your applications for the Club Recognition and Reward Program.

AMA would like to take the opportunity to say thank you and congratulations on a job well done regarding the club's effort. I am sure that this media coverage influenced many within your community. It is kind organizations and people like you that make a difference.

As you can see, AMA has enclosed a check in the amount of \$50 for all your efforts. Your club was the last to receive funding in 2019. We are thrilled to share that the entire \$5,000 budgeted was awarded to club for their efforts in 2019.

Look for your club information and story to appear on the AMA Foundation website,
<http://amafoundation.modelaircraft.org/press/>.

Great job and keep up the good work!

Sincerely,



Mandeem Mikulski
Director of Development
(765) 287-1256 ext. 277
mandeem@modelaircraft.org

P.S. Make sure to apply to be a Flying for Good featured club.
<http://amafoundation.modelaircraft.org/flyingforgood/>.

Learn to Fly RC!

Have you ever wanted to learn to fly Radio Controlled (RC) Aircraft?
If so, come to our West Field (just est of Grimes) on Monday evenings

We hold **free** public training at our **West Field** every Monday beginning Monday June 1st 2020 through Monday August 31st. If you are over 14 years old you are welcome to attend this program for up to three evenings. Club instructors and equipment will be available from 6pm until dark, weather permitting.

You will be able to actually fly our training aircraft and learn about our club and the best equipment options if you do decide to continue flying.

Flying RC aircraft often turns into a lifelong hobby and is a wonderful way to meet new people who also love to fly.



If you are interested in learning to fly please contact any one of these fine instructors:

Field	Name	Email Address	Phone
West Field	Denis Roy (Airplane)	DenisRoy81@gmail.com	(515)-249-1617
West Field	Pat Nestvedt (Airplane)	plnest@hotmail.com	(515) 201-8112
West Field	Scott Leonard (Airplane)	scott@sjleonard.com	(515) 494-2011

If you would like to have a lesson at our EPJ field, please contact one of these fine instructors for an appointment:

Field	Name	Email Address	Phone
EPJ	Jim Lewis (Airplane)	clone2tb@gmail.com	(515) 289-1144
EPJ	Tim Nissen (Airplane)	nissentimothy@mchsi.com	(515) 975-1091
EPJ	Doug Griffith (Airplane)	duggriff@yahoo.com	(515) 480-1585
EPJ	Kelly Brown (Helicopter)	kbrown@brownsmedicalimaging.com	(515) 494-4884
EPJ	Matt Coleman (Airplane & Helicopter)	colemn615@gmail.com	(515) 782-9499

2020 Calendar of Events

(Dates and locations are subject to change – check our website for updates)

- **Club Meetings are generally the 1st Tuesday of the month at alternating flying fields during the flying season**
- **Fun Flies are generally the Saturday after club meetings during the flying season**
- **Coffee Socials are generally the 2nd Saturday of the month**

- **January 1, 2020** Penguin fly and Club Meeting (West Field, 9 am, Meeting at 11 am)
- January 11 – Coffee Social (West Field 10am)
- February 8 – Coffee Social (West Field 10am)
- February 15, - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March 14, - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March 21 – Coffee Social (West Field 10am)
- April 7 - Club Meeting (West Field 7pm)
- April 11 - Coffee Social (West Field 10 am)
- April 25 - and High-wing Fly (John Faust) (West Field 10am – 2pm)
- May 5 - Club Meeting (EPJ 7pm)
- May 9 – Coffee Social (West Field 10 am) & Multi-wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- June 1 - Training Program (West Field 6pm)
- June 2 - Club Meeting (West Field 7pm)
- June 8 - Training Program (West Field 6pm)
- June 13 – Coffee Social (West Field 10 am)
- June 15 - Training Program (West Field 6pm)
- June 22 - Training Program (West Field 6pm)
- June 22 - Training Program (West Field 6pm)
- June 29 - Training Program (West Field 6pm)
- July 6 - Training Program (West Field 6pm)
- July 7- Club Meeting (EPJ 7pm)
- July 11 – Coffee (West Field 10am)
- July 13 - Training Program (West Field 6pm)
- TBD – Civil Air Patrol Event (Al Annear – West Field 1 pm – 5 pm)
- July 20 - Training Program (West Field 6pm)
- July 27 - Training Program (West Field 6pm)
- August 3 - Training Program (West Field 6pm)
- August 4 - Club Meeting (West Field 7pm)
- August 8 - Coffee Social & Summer Fun Fly (Jim Porter – (West Field 10am – 2pm)
- August 10 - Training Program (West Field 6pm)
- TBD – National Model Aviation Day (Alan Annear – West Field 9am – 3pm)
- August 17 - Training Program (West Field 6pm)
- August 24 - Training Program (West Field 6pm)
- August 31 - Training Program (West Field 6pm)
- September 1 - Club Meeting (EPJ 7pm)
- September 12 – Coffee Social (West Field 10am)
Sailplane Fun Fly (John Faust - West Field 10am – 2pm)
- TBD – Fun Fly, Paintball & Raffle (West Field 11 AM)
- October 6 - Club Meeting (West Field 7pm)
- October 10 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear – West Field 10am – 2pm)
- TBD – Club Auction
- November 3 - Club Meeting (Merkle Retirement Planning 1860 SE Princeton Drive, Grimes - 7pm)
- November 14 – Coffee Social (West Field 10am)
- December 1 - Club Meeting and Elections (Merkle Retirement Planning 1860 SE Princeton Drive, Grimes - 7pm)
- December 12 – Coffee Social (West Field 10am)
- January 1, **2021** Penguin fly and Club Meeting (West Field, 9 am, Meeting at 11 am)
- February xx, 2021 - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March xx, 2021 - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)

Fun Fly Information:

- April 25 – High-wing Fly (John Faust - West Field 10am – 2pm)
- May 9 - Multi-Wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- August 8 - Summer Fun Fly (Jim Porter – West Field 10am – 2pm)
- September 7 – Sailplane Fun Fly (John Faust - West Field 10am – 2pm)
- October 10 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear – West Field 10am – 2pm)

2020 Des Moines Modelaires Membership Application

You must be a member of the Academy of Model Aeronautics and registered with the FAA before joining the Des Moines Modelaires.

New Member ____ Renewal ____ // Adult ____ Youth ____ Spouse ____

Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Home phone: _____ Cell: _____ Birthday _____

AMA #: _____ AMA Expiration date: _____

FAA #: _____ FAA Expiration Date: _____

Email Address: _____

(Used for Club newsletters and club informational emails.)

You **MUST** have a current AMA membership and FAA Registration valid through the year of membership to be a Des Moines Modelaires club member. If you are flying an aircraft weighing more than 0.55 lbs., it must have an FAA sUAS registration number affixed to it.

The following Membership dues are in effect through December 31st of 2020

New Member- Adult \$100, after July 31st \$60

Youth \$15

Spousal \$50

Renewal – Adult \$100, **after March 31st, \$120**

Youth \$15

Spousal \$50, **after March 31st, \$60**

Adult – 19 & over at anytime during 2020

Youth – 18 & under through December 31st, 2020

Send this membership application, a copy of your AMA membership card, FAA registration and a check (made out to Des Moines Modelaires) to:

Alan Annear / 2101 1st Ave. / Perry, IA 50220

Cell# 515-491-9039

Email: dsmodelaires@gmail.com

2020 Club Officers

Position	Name	Email Address	Phone
President	Scott Leonard*	scott@sjleonard.com	(515) 494-2011
Vice President	Alan Annear **	raannear@gmail.com	(515) 491-9039
Secretary	John Faust**	faustj@q.com	(515) 771-3866
Treasurer	Denis Roy *	DenisRoy81@gmail.com	(515) 249-1617

2020 Board Members

Email: dsmmodelaires@gmail.com

Name	Email Address	Phone
Jeff Ferriss **	advorthotics@gmail.com	(515) 967-6881
Jeff Ireland *	woodensplinter@msn.com	(515) 883-0305
Jack Kamerick**	jdkamerick@gmail.com	(515) 971-0347
Pat Nestvedt *	plnest@hotmail.com	(515) 201-8112
Jim Porter **	airporter96@gmail.com	(515) 986-0512
LaVerne Sanders*	Ldsanders2807@mchsi.com	(515) 745-0305

* Term expires on December 31, 2020

** Term expires on December 31, 2021

Safety Officers

Field	Name	Email Address	Phone
EPJ	Tim Nissen	nissentimothy@mchsi.com	(515) 975-1091
West Field	John Faust	faustj@q.com	(515) 771-3866

Membership

For all questions/comments regarding membership (such as joining, renewal, etc.), please contact:

Alan Annear
2101 1st Ave.
Perry, IA 5220

Phone: (515) 491-9039
Email: dsmmodelaires@gmail.com

Newsletter

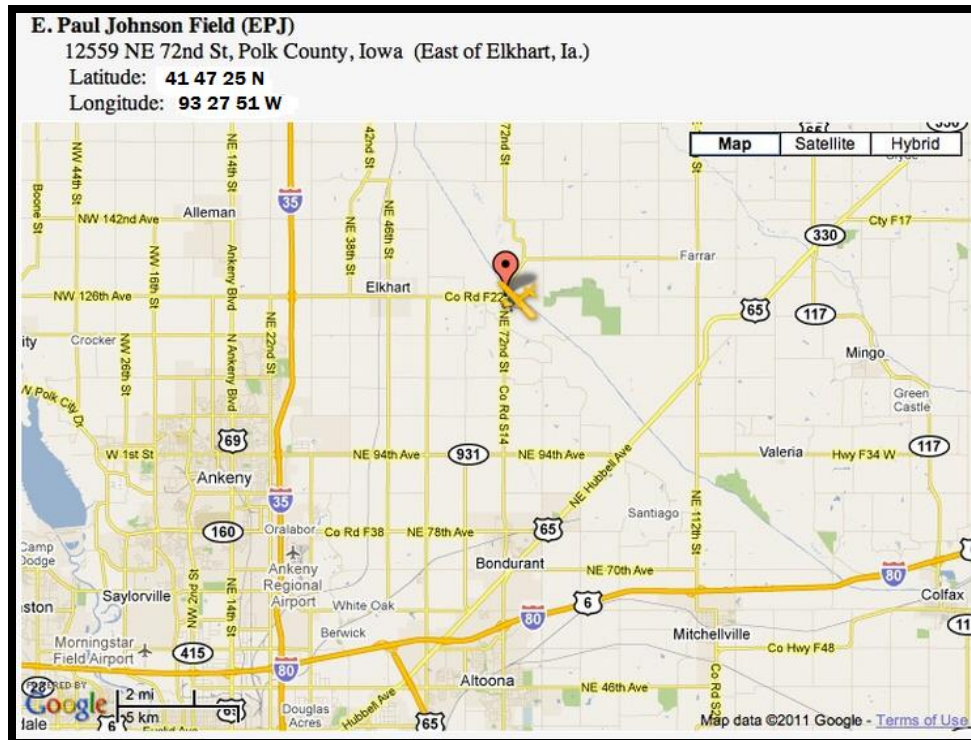
Dave Beecher

Email: db500_1999@yahoo.com

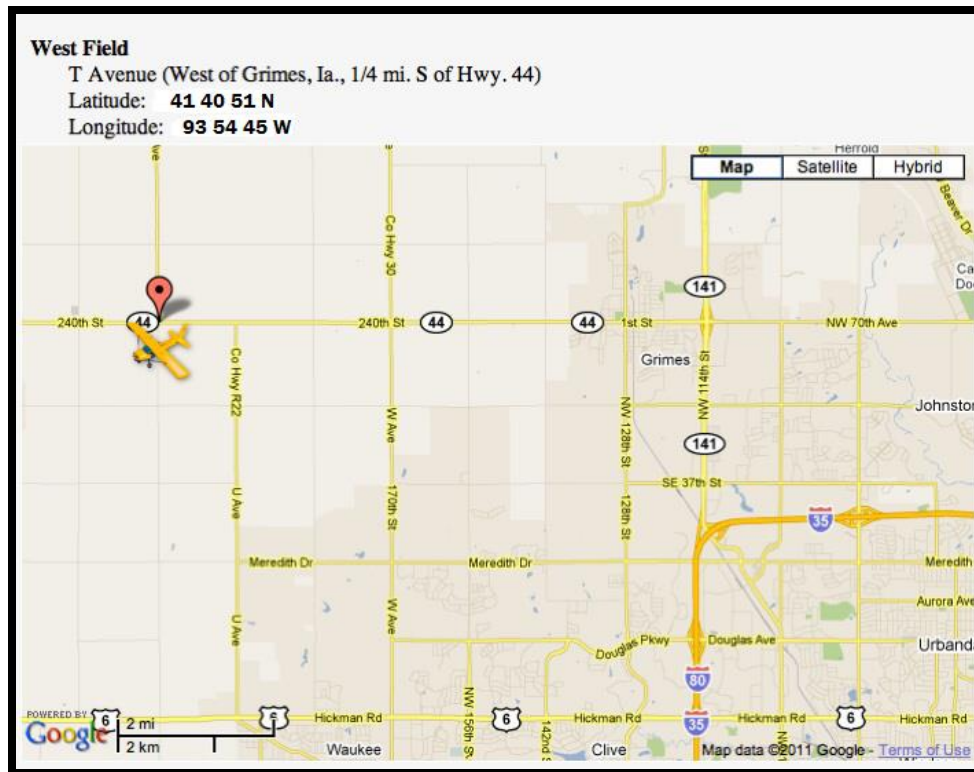
Flying Field Locations

The Des Moines Modelaires maintains two high-quality, friendly flying locations in the Des Moines area. See below for address and map information:

EPJ



West Field



About the Des Moines Modelaires

- We fly radio-controlled model airplanes, helicopters, and quad-copters at our two private flying fields
- We hold monthly meetings typically the first Tuesday of each month
- We produce a newsletter for our members and the general public. Please send photos and articles about RC and our club to db500_1999@yahoo.com
- We sponsor several fun flies during the year
- We will demonstrate our hobby at events when safety can be maintained and there is adequate room to fly
- We sponsor several swap meets during the year
- We conduct free pilot training programs and have volunteer instructor pilots