



PLANE TALK NEWS

The Des Moines Modelaires Newsletter

A message from club president Jim Porter:

* Well, Saturday's Cub/Highwing fun fly was an interesting day, not a total flop, but certainly not the success we'd hoped for. Early morning temperatures started at 21° F and struggled to get to 41° F by 2:00 PM. **I thought the Penguin Fly was held in January, not April.** It wouldn't have been too bad had the wind stayed as it was early on, but we were not that fortunate. By 10:00 AM the wind was blowing 10 to 12 mph and quickly drew nearly every bit of warmth right out of you in just a few minutes. We decided that to hold the Cub/High Wing Fun Fly was a bit masochistic and decided to stay warmer. A few hardy souls put in a flight or two as the sun got higher, but most of the flights were done before 9:00 AM. Ah well, John Faust has volunteered to hold the Cub/High Wing Fun Fly in May, so we'll try again. Check the schedule for the correct date, will likely be May 14th.

* We haven't had anyone step forward to be the Field Marshall for EPJ. Unless someone volunteers it will be difficult to keep the field in good flying condition.

* Related to the subject of maintenance at EPJ, the last board meeting was held at EPJ so we could assess the standing water problem on the main runway. We spent considerable time discussing the water problem and came up with a variety of potential solutions.

1. Cut the petro mat in the middle, roll it back, fill the low spots with dirt and then relay the mat.
2. Leave the existing runway as is and add another strip to the east side of the main runway so that when the runway is wet, there is adequate width left for safe landings.
3. Install two sand points in the low spots for faster drainage. So far, the sand point idea appears to be the easiest and least expensive option.

The first attempt to alleviate the water problem will involve the installation of a pair of sand points in the two low spots in the runway. The sand points should drain away the standing water fairly quickly and hopefully eliminate the need for further action. Ray Pick is looking for a vendor to give us an opinion on the probable success of this. If it looks like a good approach we will install the two sand points and see what happens.

* The proposed revision to the bylaws are published later in this newsletter. Please read them and be prepared to discuss any revisions you think they need. The board is pretty confident we've managed to set up a system to meet the needs of the membership as regards to absentee balloting.

* There are also some additions to address the FAA requirements of registration and aircraft identification. These and the AMA membership renewal periods have added one other change to the bylaws. Both your AMA membership and FAA registration MUST be good until the end of the current year for you to be eligible for Modelaires membership.

* Jim Lewis has volunteered to work with the Johnston Schools to present a program on model flying on Tuesday, May 31. He could use some additional help, so step up and send him an email volunteering to help.

* Alan Annear has volunteered to again host the Civil Air Patrol at Westfield in late June or early July. When the date is firmed up he could also use some help.

* Next weekend, April 15 and 16 we will be installing adding additional width and length to the main runway.

Denis Roy is heading up this effort and certainly could use a LOT of help. The first task will be removing the old runway on Friday, and installation of the new runway on Saturday. Safety fences will also be restored Saturday.

* With the concern over the way Wounded Warriors has handled their funds, the board has decided we will support a local organization. If you have any ideas as to whom we should support, please contact me with the necessary information. We'll make a decision at the next general membership meeting.

*I'm sure I've forgotten something, but we'll try to work it in at the next meeting.

Jim Porter

Upcoming Events

April 15 – remove old runways at West Field

April 16 – install the new runway and safety fence at West Field

May 3 - Club Meeting (EPJ 7pm)

May 7 - Multi-wing Fun Fly (Alan Annear – West Field 10am – 2pm)

May 14 – Coffee Social (West Field 10 am) and High-wing Fly (John Faust West Field 10am – 2pm)

April 5th, 2016 Summary of General Club Meeting

Meeting was called to order at 7:00pm with 14 members present.

- John Faust read the minutes from the March meeting and they were approved as presented.
- Denis Roy reviewed the treasurer's report and it was approved as presented.
- Denis Roy stated he would send out an email asking for volunteers to tear up the old runway material at West Field on Friday the 15th and to install the new runway on Saturday the 16th. Keith Page stated we will need a few more boxes of staples and volunteered to get them before the weekend of the 15th.
- Keith also expressed a desire to complete the safety fencing at West Field at the same time we do the runway.
- Jim Porter gave an update on the voting proposal bylaw changes being worked on by the board. He stated the proposal would be published in the May and June newsletters and voted on at the July meeting.
- Jim Porter discussed a program request from Johnston Schools and asked for volunteers to head up and help at both events.
 - Jim Lewis, Denis Roy, and John Faust will work on the Johnston presentation
 - Allan Annear, Ed Niles, LaVerne Sanders, and John Faust will do the Civil Air Patrol presentation.
- Jim Porter reported that we would like to hold the Monday evening training program at both fields this year. Denis Roy has offered to head up the training program at West Field but we will need a volunteer to head it up at EPJ. Several names were suggested by Denis Roy, Matt Coleman, and Dan Frye. If none of them are willing to volunteer Denis will send out an email to all members asking for a volunteer.
- Jim Porter asked for volunteers for each field to take charge of identifying maintenance needs and organizing the efforts to address those needs. Keith Page volunteered to do that at West Field but we still need a volunteer for EPJ.
- Jim Porter reported that the board had looked at the water collecting on the runway issue at EPJ and suggested adding a strip of petro mat to that east side of the runway to make sure there is enough usable runway when there was water sitting on the low spot. After some discussion the

suggested was made to look into installing a sand point under the runway to drain off the water. Ray Pick volunteered to investigate that possibility.

- Denis Roy reported that the AMA had changed to a rolling calendar year membership and that this was going to cause problems making sure all members had a current AMA membership. He reminded members present that we will require AMA membership through the end of the calendar year as a condition of membership even if this meant members would have to pay for more than one year's membership in the AMA.
- Alan Annear discussed looking for a local veterans group to donate the proceeds from the National Model Aviation Day event due to issues made public concerning waste at the Wounded Warrior Project. Jim Porter volunteered to look into possible alternatives.
- Matt Coleman asked about the need for the KYBOs at EPJ to be moved back to where they originally were because they kept blowing over. A suggestion was made that the members could move the KYBOs as they were not that heavy and were easy to move.
- Meeting was adjourned about 8:45.

The Des Moines Modelaires Board has been working on updates to the club ByLaws, which includes alternative voting. Please find a copy with proposed changes below:

DES MOINES MODELAIRES BY LAWS

Effective August 2016

Article I

The Officers of the Des Moines Modelaires Club shall consist of a:

- (a) President
- (b) Vice-President
- (c) Secretary
- (d) Treasurer

All Club Officers must be current and paid club members.

Article II

The Board of the Des Moines Modelaires shall consist of:

All Officers, six (6) current and paid club members, and the past President assuming the past President is a current and paid club member and willing to participate on the Board.

Article III

Officer and Board Member Duties and Responsibilities:

(a) President- The President shall preside over all meetings of the club including Board meetings and shall act as spokesman for the club in all matters pertaining to the club. The President has discretion over routine and necessary decisions concerning club business.

(b) Vice-President- The Vice-President shall act for the President when he is unable to serve, and facilitates hobby related programs at general club meetings.

(c) Secretary- The Secretary shall keep the minutes of all meetings and the attendance roll of such meetings. They shall maintain an official minute book for this purpose.

(d) Treasurer- The Treasurer shall collect all membership dues and other club income and shall keep a record of all monies received and monies disbursed by the club. The Treasurer is also responsible for keeping track of club membership and distributing ID cards to paid members.

(e) Board - The Board shall act / vote on all matters of general policy.

(f) Any Officer or Board member may be removed from their position if they have missed three (3) consecutive Board meetings without just cause, repeatedly conducts themselves in a manner harmful to the Modelaires or have let their club membership lapse. Removal from the position will be by vote of the remaining Officers and Board members.

Article IV

Terms of office and election matters:

(a) All Officers of the Des Moines Modelaires Club shall serve for two years from date of election. The offices of President and Secretary shall be elected in even numbered years and the offices of Vice-President and Treasurer shall be elected in odd numbered years.

(b) All Board members shall serve for a period of two years. Three members shall be elected in even numbered years. The other three members shall be elected in odd numbered years.

(c) To facilitate the transition of office, the past club President shall be asked to serve on the Board for a term of one year after their final year as President assuming they are a current and paid club member and they are willing and able to serve.

(d) The annual meeting and the elections of Officers and Board members shall be held at the regular meeting in December of each year. Current and paid club members can self nominate or nominate other club members. All nominations are to be distributed to the current general membership prior to the December club meeting.

(f) Eligibility for nomination and election to any Officer or Board position, and to hold that position, requires that they are a current and paid club members as of February 1st and for the duration of the term they are elected to. If they are not a current and paid club member in the Modelaires by February 1st, they must forfeit the position they were elected to.

Article V

Vacancies

Vacancy in any Officer or Board position shall be nominated by the club President and voted on by the club Board. Such positions will serve to the end of the term for which their predecessor was selected. If the club President becomes the vacancy the nomination will be made by the current club Vice President, who has assumed the office of President for the remainder of the term.

Article VI

Meetings

Regular meetings shall be held each month on a day decided by the club Officers.

Notice of regular meetings will be published in the club newsletter or by email to current club members.

Club members will be notified via the club newsletter or by email to the current club membership of annual election meetings at least three weeks in advance. However, failure to notify the members in advance shall not nullify any election procedures conducted at any meeting where a quorum is in attendance as stipulated in Article VII (b).

Election of club Officers and Board Members will be held at the December general membership meeting and will include votes made by members' present including votes received via mailed in paper ballot. Officer and Board member candidates must be finalized four weeks in advance of the December meeting at which a vote is to take place. The finalized ballot will be sent via email to the club membership three weeks in advance. Paper ballots must be

received at the designated address, as directed on the ballot, the day before the December club meeting at which an election is to take place. The paper ballots will be opened and counted at the club meeting.

Special meetings of the club shall be at any convenient time, as decided by the club President and other available Officers' or by at least three current Board members, or by any ten club members. The meeting time and place shall be published in the club newsletter or distributed to the current club membership via email at least three days in advance.

Article VII

Modelaires business meetings and voting rules.

Voting

- (a) Only current and paid **adult (19 years of age or older)** members will be eligible to vote
- (b) A passing vote requires one more than half the votes cast
- (c) In person and mailed in paper ballots shall be utilized for:
 - a. Election of club Officers and Board members
 - b. By-Law changes
 - c. Increase in annual club dues
 - d. Non budgeted expenditures over \$1000
 - e. When the club Board believes an item is such importance that having a mailed in paper voting process is warranted
- (d) Voting via membership count at a general membership meeting, or mailed in paper ballot approved by the Board, must be able to validate only current and paid **adult (19 years of age or older)** club members votes are counted and any voting member only votes once.
- (e) The club will not accept any form of Proxy Voting.

Regular Business

- (a) All regular business affairs conducted by the club shall be directed by the Board, except that at any time the President, or the Board, may call a special meeting of the membership to decide on any problem of business activity.
- (b) At any club meeting, a passing vote requires one more than half of the members present.
At any Board meeting, a passing vote requires one more than half of the Board's personnel.
- (c) The Board may approve financial expenditures up to \$500 for any non-budgeted expense.
- (d) Any non-budgeted expenditure above \$500 and below \$1,001 shall be taken to a General membership meeting for vote of approval.
- (e) Any non-budgeted expenditure above \$1,000 shall be taken at a general membership meeting for vote of approval by the majority of members present, including votes received via mailed in paper ballots.

Article VIII

Dues and Fees

The collection of and setting of, dues and fees (such as Landing Fees) for the Des Moines Modelaires Club.

Membership - An applicant must have a **current** Academy of Model Aeronautics membership valid through December 31 of the membership year, and is registered with the FAA to fly sUAV valid through December 31 of the membership year, and who pays the club annual dues and assessments, if any, will be issued a flying membership card that entitles them to full use of all of the Modelaires flying fields, voting privileges, and the possibility of holding any office in the club. They will also receive the club newsletter via email when published.

- (a) Membership types and dues shall be per the Membership Application which will be reviewed annually.
- (b) Annual membership dues shall be adjusted according to the financial needs of the club and approved by vote of the general membership present at the club meeting which such vote is taken, including votes received via mailed in paper

ballots. Any change in club dues will be published via the club newsletter or via distribution to the current club membership via email and voted on at the August General Membership meeting.

(c) No special assessment shall be levied upon the club membership at any time, except by vote of the current paid club membership provided a majority vote of those present at the club meeting that such a vote is taken, including votes received via mailed in paper ballots.

Article IX

Special Funds

The Treasurer of the club is authorized to receive contributions or specially obtained funds from any individual or institution, to be applied to the operation of the club.

Article X

Amendments

Amendments may be made to these Bylaws at any general meeting of the club membership by vote of the current paid club membership upon majority vote of those present at the club meeting, including votes received via mailed in paper ballots., provided the Members shall have been notified via the club newsletter or email at least ten days in advance that an amendment is to be considered.

Copies of the proposed amendments shall be provided to all Officers and Board members and to any members who may request the same.

Breakfast Casserole Recipe from Alan Annear. Enjoyed by many during the March coffee social.

Prepare the evening before cooking.

You need:

- 10 slices of white bread (cubed)
- ½ pound Velveeta cheese (cut into small cubes)
- 2 cups of cubed ham or 1 pound of breakfast sausage (cooked)
- 10 eggs
- ¼ tsp. salt
- ½ tsp. dry mustard
- 2 ½ cups of milk
- ¼ cup of butter (melted)

Sautee the following:

- 1 cup chopped canned mushrooms (optional)
- 1 cup chopped onions (optional)
- ½ cup chopped green or red pepper (optional)

1. Grease or spray a 9 by 13 inch pan.
2. Place cubed bread, ham or sausage, cheese and optional ingredients into pan and mix.
3. Beat the eggs, salt, dry mustard and milk. Pour over ingredients in pan.
4. Drizzle melted butter over the top of ingredients.
5. Refrigerate overnight (covered).
6. Bake uncovered at 350 degrees for 1 hour. **Depending on your oven, it may need more time.**
(Cook until "set".)

3D Printed CA Glue Holder Project

By LaVerne Sanders

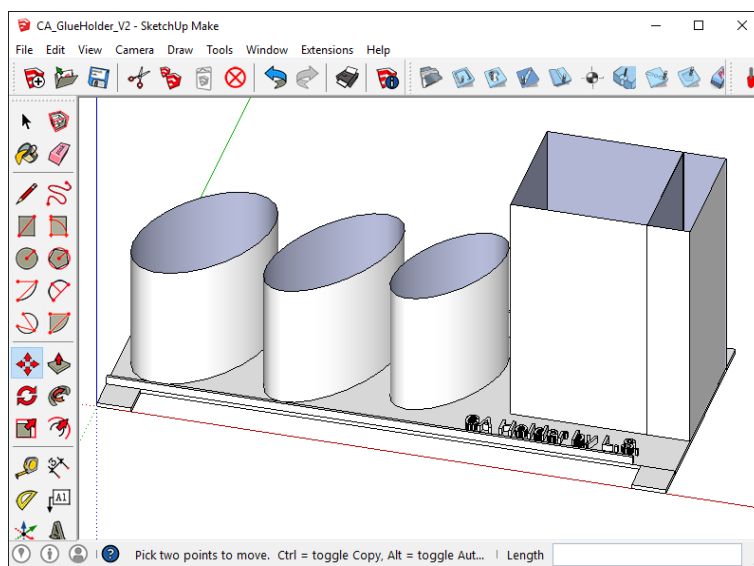
This is one of those projects that arises out of frustration, annoyance, and clumsiness! I don't know about you, but those CA glue bottles setting on the work bench seem to always get knocked over. And whether the lid is on or off, it's not a good thing. So, the light bulb finally lit up! Why not draw some kind of glue holder in my favorite CAD program SketchUp and 3D print something.

Well, after a few hours working out the details on a design, and about 3 versions later, I had something that was simple and would do the job.

First some info on my printer. It's a MendelMax 3. Here is the link to the site.

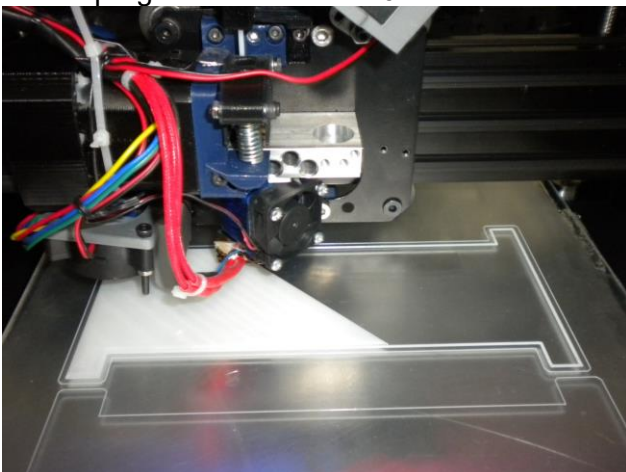
<http://makerstoolworks.com/> It is purchased as a kit.

Here's how the drawing looks in SketchUp:

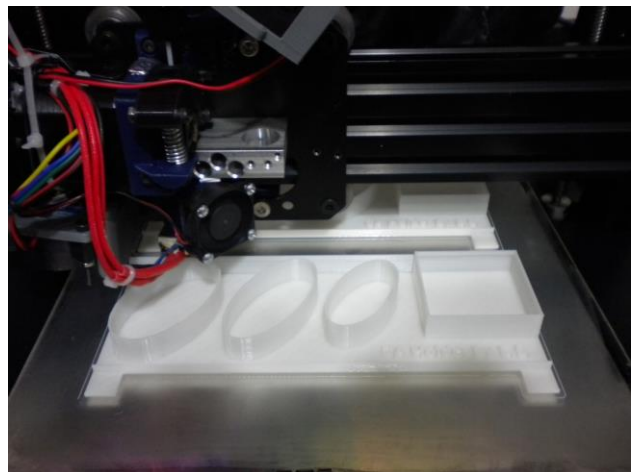


Now for the 3D print. 3D printing is painfully slow. It takes about 2 ½ hours to print the drawing above. The print run below is creating 2 glue holders. Each printed layer is .3 mm thick and .4 mm wide. Each unit takes **23 meters** of 1.75 mm PLA filament to build it. The units below are version 2. The drawing above is version 3 and has an extra slot for pencils, knives, etc.

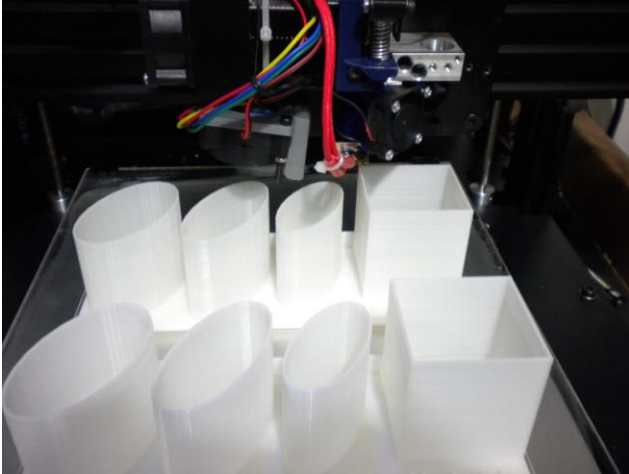
Here's progress after about 10 minutes:



Here's after about 2 hours:



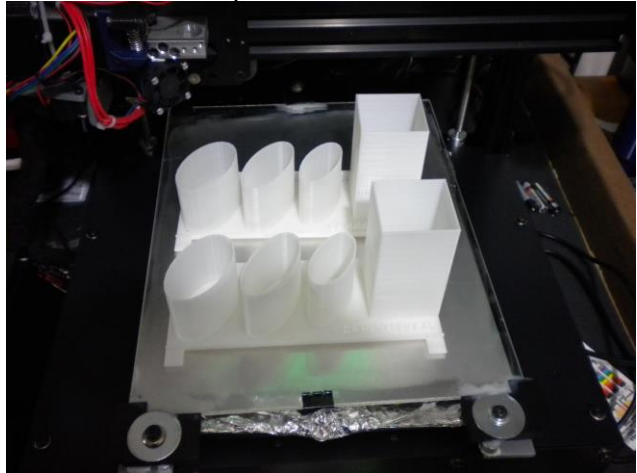
This is about 5 hours later:



And here's the good part! A place to put your glue bottles.



Total print time for 2 holders is about 5 ½ hours. Here are the completed holders:



This is what it looks like after you show it to your wife and she asks "Did you cover all angles?" Well, of course I said yes. Then I go to the shop and look around. Here's what the "all angles" version looks like. Twice as big, twice as long to print and twice as much filament. ☺ And almost twice the price. (\$12.00). But hey, look at all it will hold!



West Field Drive Repair and Coffee Social

Thank you to everyone who was able help repair the drive going into West Field Saturday March 12th with a special **thank you to Brad Fox** for offering to bring in 10 tons of gravel with his truck and then offering to get his tractor to help spread it out. From the following pictures you will see how a slow trickle of gravel turns into a nicely repaired drive. Overall it was a fantastic morning to fly, fix up the field, socialize, and eat. Not only did we have a great turnout we also had the usual assortments of goodies to eat with an added fantastic breakfast casserole supplied by Alan Annear and the always wonderful lunch brought in by Bob Vida. It was so nice to see so many members (and family) join in the morning. I for one was very proud to see so many people at the field to help make a lot of work go by quickly! **Denis**



SUPPORT OUR VETERANS AIRSHOW

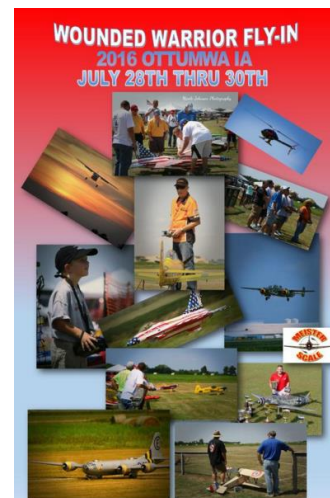
"You are all invited to attend this very Special Event"

The history of this Airshow

As a group "The Ottumwa Radio Controlled Flyers", we support our Veterans by flying our planes and using our hobby as a Tool to promote "PATRIOTISM" for the Men and Women that have served and are Currently serving in the Armed Forces. It has been a great feeling for those in this club to look back at the years that we have done this with pride. In conjunction with the AMA org, we support the National Day of Flying. On that day clubs all over the country clubs like ours, fly our planes to support the MEN and WOMEN of the Armed Forces.

The flyer this event is more than 12 pages, find more at this link:

https://www.rcflightdeck.com/event_details.cfm?event_id=5563



AI submitted this link to a very unconventional aircraft and bush flying:

[The Prototype - YouTube](#)

https://www.youtube.com/embed/IHR6bpupwJk?feature=player_detailpage

If you would like to provide possible content for the newsletter, email to:

DB500_1999@yahoo.com

I am happy to include links to flight videos you may have posted, description of club events, photos of your projects, or technical articles and reviews you have written. Let me know if any corrections in dates or contact information is needed. *Dave Beecher*

(Dates and locations are subject to change)

- 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 a club meetings during the flying season
- Coffee Socials are generally the 2nd Saturday of the month

January 1, 2016 - Penguin Fly/Club Meeting (West Field 9am)	August 22 - Training Program (EPJ / West Field 6pm)
January 9 – Coffee Social (West Field 10am)	August 26, 27, 28 – Heli Fly EPJ
February 13, 2016 - Indoor Flying and Club Meeting (Catholic Church Flying 9am, Club Meeting 1pm)	August 29 - Training Program (EPJ / West Field 6pm)
February 20, 2016 – Coffee Social (West Field 10am)	September 6 - Club Meeting (EPJ 7pm)
March 1 – Club Meeting, EPJ	September 10 – Sailplane Fun Fly (Dave Beecher - West Field 10am – 2pm)
March 12 - Coffee Social (West Field 10am)	September 10 – Coffee Social (West Field 10am)
April 5 - Club Meeting (West Field 7pm)	September 15-18 - 3D Harvest Huck (EPJ)
April 9 - Coffee/Cub	October 4 - Club Meeting (West Field 7pm)
May 3 - Club Meeting (EPJ 7pm)	October 8 – Club Auction (Catholic Church Ankeny) (Ray Pick) Doors open at 8:00am
May 7 Multi-wing Fun Fly (Alan Annear – West Field 10am – 2pm)	October 15 - Any Size Warbird Fun Fly (Ray Pick – EPJ)
May 14 – Coffee Social (West Field 10 am) and High-wing Fly (John Faust 10am – 2pm)	October 22 – Coffee/Pot Luck / Gasser Fun Fly (Alan Annear / Denis Roy – West Field 10am – 2pm)
June 6 - Training Program (EPJ / West Field 6pm)	November 1 - Club Meeting (EPJ 7pm)
June 7 - Club Meeting (West Field 7pm)	November 12 – Coffee Social (West Field 10am)
June 11 - EDF/Jets Fun Fly (TBA)	December 6 - Club Meeting and Elections (TDB- 7pm)
June 11 – Coffee Social (West Field 10 am)	December 10 – Coffee Social (West Field 10am)
June 13 - Training Program (EPJ / West Field 6pm)	January 1, 2017 - Penguin Fly/Club Meeting (EPJ 9am)
June 20 - Training Program (EPJ / West Field 6pm)	February 4, 2017 - Indoor Flying and Club Meeting (Catholic Church Flying 9am, Club Meeting 1pm)
June 27 - Training Program (EPJ / West Field 6pm)	
July 5 - Club Meeting (EPJ 7pm)	
July 9 – Warbird Fun Fly (Ray Pick – EPJ)	
July 9 – Coffee (West Field 10am)	
July 11 - Training Program (EPJ / West Field 6pm)	
July 18 - Training Program (EPJ / West Field 6pm)	
July 25 - Training Program (EPJ / West Field 6pm)	
August 1 - Training Program (EPJ / West Field 6pm)	
August 2 - Club Meeting (West Field 7pm)	
August 6 - Electrics Fun Fly (Jim Porter – West Field 10am – 2pm)	
August 13 – Coffee & (West Field 10am)	
August 15 - Training Program (EPJ / West Field 6pm)	
August 13 – National Model Aviation Day (Alan Annear – West Field 9am – 2pm)	
August 15 - Training Program (EPJ / West Field)	

2016 Des Moines Modelaires Membership Application

(Please Print Clearly)

You must be a member of the Academy of Model Aeronautics (AMA) before joining the Des Moines Modelaires

Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone #: _____ AMA #: _____

Birth Day: Mo _____ Day _____ Year _____

Email Address: _____

(Used for club newsletters and club informational emails)

- **Flying Membership:** Must have a current AMA membership and Club membership. Can fly at both our fields, be a club officer / board member, vote concerning club business, take part in all club activities, and receive club newsletter via email.

Annual Dues are: Adult (19 & over at any time during 2016) \$100.00, Youth (18 & under) \$15.00. Dues are in effect from January 1st through December 31st, after July 31st, adult flying membership dues are \$60.00 through December 31st.

Send this membership application, a copy of your AMA membership card, and check to:

Denis Roy
1872 NW 150th Ct.
Clive, IA 50325
(515) 249-1617
Email: DenisRoy81@gmail.com

Please make checks payable to: Des Moines Modelaires

Why joining the Academy of Model Aeronautics (AMA) is so important.

The AMA provides a wealth of information about our wonderful hobby along with their magazine, Model Aviation. For yours, and the clubs protection, the AMA also provides member insurance benefits: \$2.5 million liability umbrella, \$25,000 medical coverage, and \$1,000 fire and thief coverage. Please go to www.modelaircraft.org to join the AMA and to learn more about the benefits of AMA membership and their insurance coverage.

Club Officers

President	Jim Porter *	(515) 986-0512 airporter96@gmail.com
Vice President	Bill Garrett **	(515) 473-1488 billg@sprayers.com
Secretary	John Faust**	(515) 771-3866 faustj@q.com
Treasurer	Denis Roy *	(515) 249-1617 DenisRoy81@gmail.com

Board Members	Alan Annear *	raannear@gmail.com
	Dave Heuton *	dcheuton@aol.com
	Ed Niles**	edniles32@yahoo.com
	Tim Nissen *	nissentimothy@mchsi.com
	Ray Pick **	rpick37681@aol.com
	LaVerne Sanders**	ldsanders2807@mchsi.com
	Karl Schultz *	iakarl@yahoo.com

* Term expires on December 31, 2016

** Term expires on December 31, 2017

Public Relations Officer

Dave Beecher - db500_1999@yahoo.com or (515) 661-2456

Safety Officers

EPJ – Dion Kintz

West Field – John Faust

Membership	Denis Roy 1872 NW 150 th Ct Clive, Iowa 50325 (515) 249-1617 DenisRoy81@gmail.com
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Newsletter	Dave Beecher db500_1999@yahoo.com
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Club Training Team

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

Denis Roy	249-1617	DenisRoy81@gmail.com	Airplane	
Jim Lewis	289-1144	clone2tb@gmail.com	Airplane	
Tim Nissen	964-9307	nissentimothy@mchsi.com	Airplane	
Doug Griffith	480-1585	duggriff@yahoo.com	Airplane	Mode 1 & 2
Kelly Brown	494-4884	kbrown@dwx.com	Helicopter	

Our Field Locations:

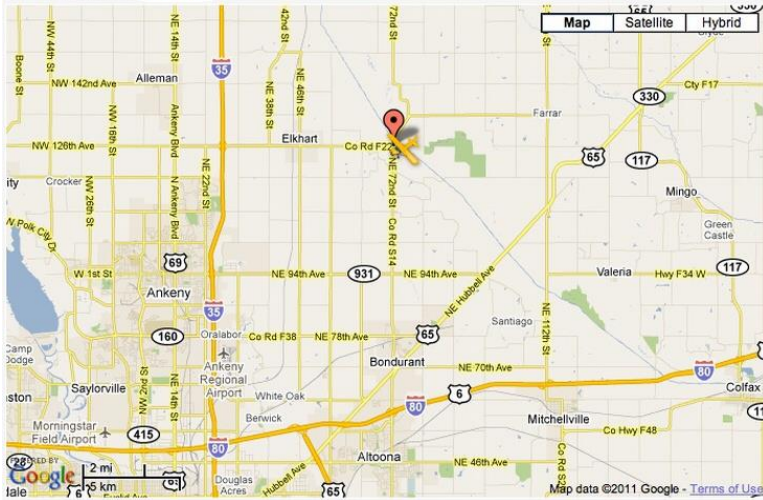
EPJ

E. Paul Johnson Field (EPJ)

12559 NE 72nd St, Polk County, Iowa (East of Elkhart, Ia.)

Latitude: **41.47 25 N**

Longitude: **93.27 51 W**



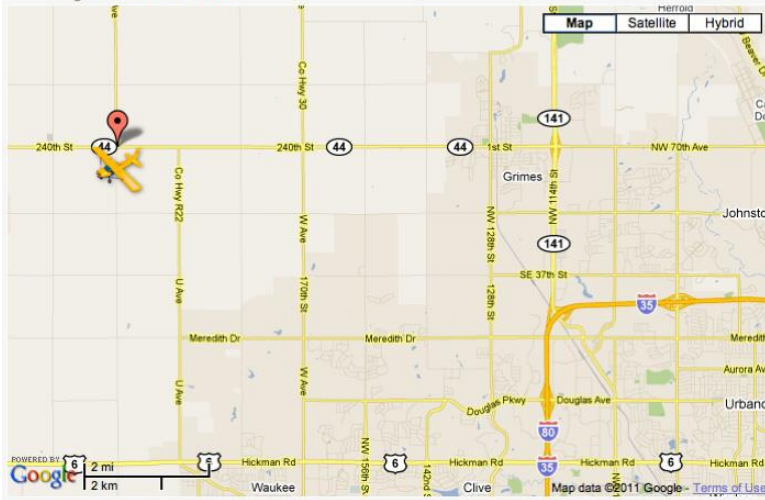
West Field

West Field

T Avenue (West of Grimes, Ia., 1/4 mi. S of Hwy. 44)

Latitude: **41 40 51 N**

Longitude: **93 54 45 W**



The Des Moines Modelaires

- We fly radio controlled model airplanes, helicopters, and quad-copters at our two private flying fields
- We hold monthly meetings generally the first Tuesday of each month
- We produce a monthly newsletter for our members and the general public
- 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 trainer pilots