



PLANE TALK NEWS

The Des Moines Modelaires Newsletter

President's Message

- * WOW, what consistently lousy flying weather. I'd hoped to have good enough weather to fly what I built/assembled last winter. Instead I find myself back at the building board. Hopefully the weather will settle down and we can get in some serious flying time before it gets too cold..
- * I don't know if Dave Beecher will get the newsletter out before the weekend, but if he does, be sure to get to the Warbird fly-in this Saturday, July 7, at EPJ - sponsored by Ray Pick.
- * Although we had to close the two flying fields for a couple of days, lots of sun and wind has dried things out enough that we can again use both fields. Several people put in some time and effort helping things along at both fields, so please make a point of thanking Jim Lewis, Tim Nissen and Alan Annear. There were probably others, but I'm not sure who they are. It's great that we have members willing to put forth the effort so we can all have a good time playing with our 'toys'.
- * I know it's sort of old news, but Tim Nissen and Vince Stefanski put in a very long day rolling both the runways and the surrounding grass at EPJ. I understand it greatly improved both areas. Against the original estimate of nearly \$800 the job was completed, with some help from a friend of the club, for around \$200.
- * At Westfield our mower suffered a failure of the seat. Original estimates to repair the seat were in the area of \$500. However, with a little time and ingenuity Bill Gast was able to repair the seat for all of \$5. This and the rolling task are the efforts that keep the club active and solvent.
- * Model Aviation Day at Westfield is not far off and we've got some nice prizes to raffle off. Horizon Hobby donated a micro T28 and a micro Vapor. Rick at Hobby Haven has donated two \$50 gift certificates. I can't emphasize strongly enough how important it is to support both our local hobby shop and USA companies.
- * A former member, Ed O'Neil, has offered some planes and equipment to the club. Dave Kalwishky will be sending out a separate email with the details and pictures of the planes and equipment. Look them over and make an offer. The proceeds from the sale will go to the club. Ed also has three planes he's like to see fly before they're gone. If you can help ED, give him a call at 515-707-2104.

Jim Porter

Upcoming Club Events

- July 7 – Warbird Fun Fly (Ray Pick – EPJ)
- July 7 – Work Day (West Field 9 am)
- July 9 - Training Program (West Field 6pm)
- July 14 – Coffee Social (West Field 9am)
- July 16 - Training Program (West Field 6pm)
- July 23 - Training Program (West Field 6pm)
- July 30 - Training Program (West Field 6pm)

Civil Air Patrol Demonstration and Static Display

On Saturday June 16th, despite the heat and wind, the Modelaires hosted 50 Cadets and support staff at West Field. There was a tremendous number of airplanes of all sizes on display for the cadets to see. Jim Porter opened up the day with a warm welcome to our field and gave a short discussion of the history of our club, what we do, and even encouraged anyone interested to come visit us on Monday training nights.

John Faust gave two demonstration flights that wowed the crowd. First, he flew a very fast aircraft to show how fast our models can

go then he flew a large 3D aircraft performing some amazing 3D capabilities of our models. John received two standing ovations after each flight!

Due to the high winds we set up two stunt kites for the cadets to fly as well as had two club trainers in the air for them to test their skills flying RC planes.

After several hours it was hard to get the last few cadets to stop flying the kites.

All in all, it was a great day for the cadets and all Modelaires who put up with the heat and wind.

Denis





Rubber Band Airplane Event

It's been a busy month! Greg Helton was asked to host a build and fly rubber band plane event for kids 3 years old and up on June 21st at the Valley Community Center for "love you Des Moines" days. Greg teamed up with LaVerne



Sanders and his CNC machine and 3D printer to cut out wood frames and make other parts. Greg came prepared with 65 airplanes for the kids to color and assembly. With the help of several Modelaires all 65 planes were assembled and flown by all the kids who showed up at the event. While at times it was total chaos with little kids flying dozens of planes at a time everyone who participated had a great time!



Jet Fun Fly 6/9

This was my first time host an event and along with Connor Johnson, I think the event turned out really well despite the heat and humidity. We had just over 20 pilots flying for the day with all kinds of different planes although most were from Freewing. There was a lot of flying and camaraderie, which is an aspect of the club that I really enjoy. I think everyone had a good time.

MotionRC generously donated three of their new 64mm F-105 Thunderchief park fliers to the club, the lucky winners of the planes were Dave Heuton, Dave Kalwishky and Vince Stefanski, congratulations guys! Between the raffle and the free will donation for lunch, we brought in over \$400 for the club.

I would like to thank Matt Coleman & Connor Johnson for getting rid of the weeds on the runway and to Terri Kalwishky & Cindy Heuton for cooking the burgers & dogs and for making sure we were all fed. We could not have had such a successful event without everyone help.

The full photo album can be found here [>> Web Link <<](#) If there are pictures of your jet and you would like copies on a CD please let me know and I will get them to you.





Little Plane Day



To close out June events Little Plane Day was held at West Field on June 23rd. What a perfect day, light winds all day and temps in the 70s. We had nine pilots brave enough to participant in the events (limbo, spot landing, and timed flight) and enough spectators to fill the parking lot.

There was also more food than could be consumed by everyone there.

Totally awesome awards were presented over lunch. All in all, a great day. Sorry, I forgot to take pictures!

Denis



FLYING BOATS (or RC Airplanes playing in Puddles)!

By Larry S. Zimmer

I visited the EJP on Sunday June 24th and saw something unusual! There were Flying Boats without Pontoons? When I was in the US Air Force in Biloxi Mississippi they had Flying Boats that were flying in and out of there all of the time. They had Pontoons? Ok these were not Flying Boats but some fancy flying with shouts of "See if you can get just the left wheel wet!" "Try getting just the trailing wheel wet!" After getting the plane wet it required some additional flying just to dry off. No one shouted "See if you can get the Prop wet?" That is what happened. I have included some photos of the process. It was a little cloudy as you can see. Great flying to say the least. **Larry**





An article by Terry Dunn from Model Aviation

Model

The Online Flagship Publication for the Academy of Model Aeronautics

Published on *Model Aviation* (<http://modelaviation.com>)

[Home](#) > Choosing the Right Glue

Choosing the Right Glue



Written by Terry Dunn

A builder's guide to common adhesives

How-to

As seen in the October 2013 issue of Model Aviation.

There's a television commercial that reminds us to shop around for car insurance every six months, lest we miss out on a better deal. Maybe we should apply similar logic toward the glues we use. If you haven't scanned your hobby shop's glue shelf in a while, you may be unaware of some contemporary offerings.

As new materials have been ushered into the modeling realm, so have new adhesives. Likewise, new modelers are often unfamiliar with some of the classic hobby glues that have stuck around.

This article is not intended to be a comprehensive catalog of modeling glues, but is meant to serve as a broad overview of what's available. This article also avoids the technical aspects of how and why glues work and behave the way they do. Chemistry never was my

best subject, so I'll stick to the basic properties and practical applications for each of the listed glues.



Polyurethane glues expand as they dry and fill gaps. This is useful when repairing damaged models.

In no particular order, the glues I've chosen to discuss are:

- Cyanoacrylate (CA): This is the most popular type of glue in all of modeling. I'm comfortable making that assumption. Thick, thin, foam-safe—at least one type can be found on nearly every modeler's workbench.

Yet, CA is also one of the most hazardous glues on the list. Who among us has not glued his or her fingers together, ruined a pair of jeans, or cried from the fumes? Most of us are willing to accept and manage that risk for the reward of strong and immediate glue joints.

- Polyvinyl acetate (PVA): Most of us have been using (and perhaps eating) PVA glue since grammar school. Whether you call it Elmer's Glue or white glue, you already know that it is ideal for attaching raw macaroni to construction paper. It is also useful for gluing balsa airframes together.

Yellow Carpenter's Glue is also a PVA glue. It tends to be a tackier than white glue when wet, which is often useful.

- Canopy glue: Although canopy glue looks similar to common white glue, it performs differently. Canopy glue bonds well to nonporous materials and remains flexible when dry. These properties are what make canopy glue well suited for attaching plastic parts (such as a canopy) to the skin of a finished model.

- Goop: This household glue has a strong odor until it dries into a rubbery consistency. It sticks to nearly anything, but it will dissolve some foams (always test first). It works great on vibration-prone joints.

- Cellulose glue: Modelers have been using cellulose glues such as Ambroid for decades. It is still a favorite adhesive for weight-conscious and/or nostalgic builders. Cellulose glues can be thinned with acetone to the desired consistency and applied with a syringe for extra precision. When dried, the glue is lightweight and easily sands.

- Contact cement: There are many types of contact cement but they work in the same basic way. Glue is separately applied to each of the mating parts and allowed to dry, then the parts are combined for a quick bond. This is a popular adhesive for sheeting foam wings and building foamies.

- Epoxy: A longtime favorite for high-stress joints, two-part epoxy is hard to beat when strength is the main objective. It requires careful mixing to ensure proper curing and deliberate application to avoid excess weight.

Epoxy is available in versions with various working times (5-minute, 30-minute, 1-hour, etc.). There is an art to dispensing each part in equal amounts and also sizing the batch to have the right amount of epoxy for the job.

- Hot glue: Hot glue is applied using a gun-like, heated applicator. The low-temperature versions of hot glue can be applied directly to sheet foam without melting it. The quick drying (cooling) time of hot glue makes it ideal for assembly of flat foam models. Keep in mind that hot glue joints can get brittle in freezing weather.



Hot glue is handy for quickly assembling sheet-foam models. This fancy glue gun has a variety of applicator tips. Even inexpensive glue guns are effective.

- Polyurethane glue: This glue expands as it dries, making it ideal for repairing crashed models. Bond strength can be improved by poking holes in the mating surfaces. It can also be used for initial builds. Water (including humidity) is the catalyst that kicks off the curing process. Care must be taken to keep the bottle airtight between each use to prevent curing.

- Water-based polyurethane: This easily applied, brush-on liquid can be found in the household paint section at your local hardware store. It provides a lightweight method for adhering fiberglass cloth to balsa or foam models, although it does not provide the same degree of structural rigidity of an epoxy-based finish. It can also be used to laminate foam sheets together.

You may have a favorite glue or two that isn't on this list. Be sure to share that secret adhesive with your flying buddies. More importantly, watch for new glues. It appears that there is always something new, and this week's release might be what you've been looking for!

Glue type	Common names	Common application	Drawbacks	Advantages
Canopy glue	Pacer Formula 560	Attaching plastic detail parts	Overnight drying time	Water soluble; dries clear and flexible to finished models
Cellulose glue	Ambroid, Duco Cement	Wooden airframe assembly	Flammable when wet because of acetone	Lightweight and easily sanded
Contact cement	GWS Glue, UHM per	Applying wood sheeting to foam wings	Requires a two-step process	Bonds are typically instant and permanent
Cyanoacrylate	CA, Super Glue, Zap, Hot Stuff, Jet Glues	Nearly everything	Can be an irritant; joints are brittle	Fast cure time
Epoxy	Z-Poxy, two-part epoxy, 5-minute epoxy, finishing resin	Bonding high-stress joints; applying fiberglass cloth	Heavy; requires precise mixing	Robust
Goop	Amazing Goop, Shoe Goo	Joining vibration-prone components	Strong odor; somewhat heavy	Strong, flexible joints
Hot glue	Hot glue, low-temperature hot glue	Sheet-foam models	Brittle in cold weather	Allows for fast building
Polyurethane glue	Gorilla Glue, Elmer's Pro-Bond	Crash repairs	Typically has a short shelf life	Expands to fill gaps
PVA glue	White glue, Elmer's Glue, carpenter's glue, aliphatic glue	Wooden airframe assembly	Slow drying; other glues do not stick well to cured PVA	Non-toxic; strong bonds
Water-based polyurethane	Minwax Polycrylic, Rust-Oleum Varathane	Applying fiberglass cloth	Finish is prone to dings and hangar rash	Lightweight; inexpensive; easy to apply

Learn more about building!

[Editor's note: Because there are so many types and brands of adhesives, we don't have the space to list websites for them all. A search of the Internet or a visit to your local hobby shop or home improvement store should provide any additional information you might need.]

— Terry Dunn
terrydunn74@gmail.com



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

We hold **free** public training at our West Field every Monday beginning Monday May 7th 2018 through Monday August 27th. 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 on days conducive for flying. 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.

Our West Field Instructors are:

Denis Roy	DenisRoy81@gmail.com	249-1617
Pat Nestvedt	plnest@hotmail.com	201-8112
Scott Leonard	scott@sjleonard.com	494-2011

Our EPJ Instructors are (by Appointment):

Jim Lewis	clone2tb@gmail.com	289-1144
Tim Nissen	nissentimothy@mchsi.com	975-1091
Doug Griffith	duggriff@yahoo.com	480-1585
Kelly Brown	kbrown@dwx.com	494-4884
Matt Coleman	colemn615@gmail.com	782-9499

Newsletter and Events

If you are an event coordinator I would be happy to run a poster or other advertisement for your event, just email it to me. If you would like to add an event check with the board, and let me know when it is approved. 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, for sale and wanted ads, or technical articles and reviews you have written. Let me know if any corrections in dates or contact information are needed. **Dave Beecher**

2018 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 a club meetings during the flying season**

➤ **Coffee Socials are generally the 2nd Saturday of the month**

- **January 1, 2018** Penguin fly and Club Meeting (West Field 9 am, Meeting at 11 am)
- January 13 – Coffee Social (West Field 10am)
- February 10 – Coffee Social (West Field 10am)
- February 17 - Indoor Flying and Club Meeting (Catholic Church Flying 9am, Club Meeting 1pm)
- March 10 - Indoor Flying (Catholic Church Flying 9am, Club Meeting 1pm)
- March 17 – Coffee Social (West Field 10am)
- April 3 - Club Meeting (West Field 7pm)
- April 21 - Coffee Social and High-wing Fly (John Faust) (West Field 10am – 2pm)
- May 1 - Club Meeting (EPJ 7pm)
- May 7 – Training Program (West Field 6 pm)
- May 12 – Coffee Social (West Field 10 am) & Multi-wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- May 14 – Training Program (West Field 6 pm)
- May 21 – Training Program (West Field 6 pm)
- May 28 – Training Program (West Field 6 pm)
- June 4 - Training Program (West Field 6pm)
- June 5 - Club Meeting (West Field 7pm)
- June 11 - Training Program (West Field 6pm)
- June 9 – Flylow Jet Fly (Dave K and Connor J – EPJ 9 AM -6 PM)
- June 16 – Civil Air Patrol Demo (Al Annear West Field)
- 6/23 – Coffee Social (West Field 10 am) & Little Plane Day Fun Fly 10 – 2 (Denis Roy, West Field)
- June 18 - Training Program (West Field 6pm)
- June 25 - Training Program (West Field 6pm)
- July 2 - Training Program (West Field 6pm)
- July 3- Club Meeting (EPJ 7pm)
- July 7 – Warbird Fun Fly (Ray Pick – EPJ)
- July 7 – Workday (West Field 9am)
- July 9 - Training Program (West Field 6pm)
- July 14 – Coffee (West Field 9am)
- July 16 - Training Program (West Field 6pm)
- July 23 - Training Program (West Field 6pm)
- July 30 - Training Program (West Field 6pm)
- August 6 - Training Program (West Field 6pm)
- August 7 - Club Meeting (West Field 7pm)
- August 11 - Summer Fun Fly (Jim Porter – West Field 10am – 2pm)
- August 18 – Coffee Social (West Field 10am)
- August TBD – National Model Aviation Day (Alan Annear – West Field 9am – 2pm)
- August 13 - Training Program (West Field 6pm)
- August 20 - Training Program (West Field)
- August 24,25,26 – Mid West Chopper, (Matt Coleman - EPJ)
- August 27 - Training Program (West Field 6pm)
- September 4 - Club Meeting (EPJ 7pm)
- September 8 – Coffee Social (West Field 10am) Sailplane Fun Fly (Dave Beecher - West Field 10am – 1pm)
- September 22 - Any Size Warbird Fun Fly (Ray Pick – EPJ)
- September 29 –
- October 2 - Club Meeting (West Field 7pm)
- October 6 – Club Auction
- October 13 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear / Denis Roy – West Field 10am – 2pm)
- November 6 - Club Meeting (Weiss-Merkle Financial 7pm)
- November 10 – Coffee Social (West Field 10am)
- December 4 - Club Meeting and Elections (Weiss-Merkle Financial - 7pm)
- December 8 – Coffee Social (West Field 10am)
- **January 1, 2019** Penguin fly and Club Meeting (EPJ 9 am, Meeting at 11 am)
- February 9, **2019** - Indoor Flying and Club Meeting (Catholic Church Flying 8 am, Club Meeting 11 am)
- March 9, **2019** - Indoor Flying and Club Meeting (Catholic Church Flying 8 am, Club Meeting 11 am)
- **Fun Fly Information:**
- April 14 – High-wing Fly (John Faust - West Field 10am – 2pm)
- May 12 - Multi-Wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- June 9 – Flylow Jet Fly (Dave K & Connor J)
- June 16 – Little Plane Day (Denis Roy – West Field 10 am – 2 pm)
- July 7 – Warbird Fun Fly (Ray Pick – EPJ)
- August 11 - Summer Fun Fly (Jim Porter – West Field 10am – 2pm)
- August 24,25,26 – Mid West Chopper, (Matt Coleman - EPJ)
- September 8 – Sailplane Fun Fly (Dave Beecher - West Field 10am – 1pm)
- September 22 - Any Size Warbird Fun Fly (Ray Pick – EPJ)
- October 13 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear / Denis Roy – West Field 10am – 2pm)

2018 Des Moines Modelaires Membership Application

(Please Print Clearly)

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

New Member _____ Renewal _____ Adult _____ Youth _____ Spouse _____

Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone #: _____ Birth Day: Mo _____ Day _____ Year _____

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.

Membership Dues (Dues are in effect through December 31, 2018):

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 any time during 2018

Youth - 18 & under through December 31, 2018

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

Dave Kalwishky

4224 Grandview Ave.

Des Moines, IA 50317

(515) 314-7060 Email: dave@kalwishky.com

Please make checks payable to: Des Moines Modelaires

Club Officers

President	Jim Porter *	(515) 986-0512
	airporter96@gmail.com	
Vice President	Dave Kalwishky **	(515) 314-7060
	dave@kalwishky.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	(515) 491-9039
	Dave Heuton *	dcheuton@aol.com	(515) 971-1677
	Jack Kamerick**	jdkamerick@gmail.com	(515) 971-0347
	Scott Leonard**	scott@sjleonard.com	(515) 494-2011
	Jim Myklestad **	jimamy69@mediacombb.net	(641) 430 8481
	Tim Nissen *	nissentimothy@mchsi.com	(515) 975-1091

* Term expires on December 31, 2018

** Term expires on December 31, 2019

Safety Officers

EPJ – Tim Nissen

West Field – John Faust

Membership Dave Kalwishky
4224 Grandview Ave.
Des Moines, IA 50317
(515) 314-7060
Email: dave@kalwishky.com

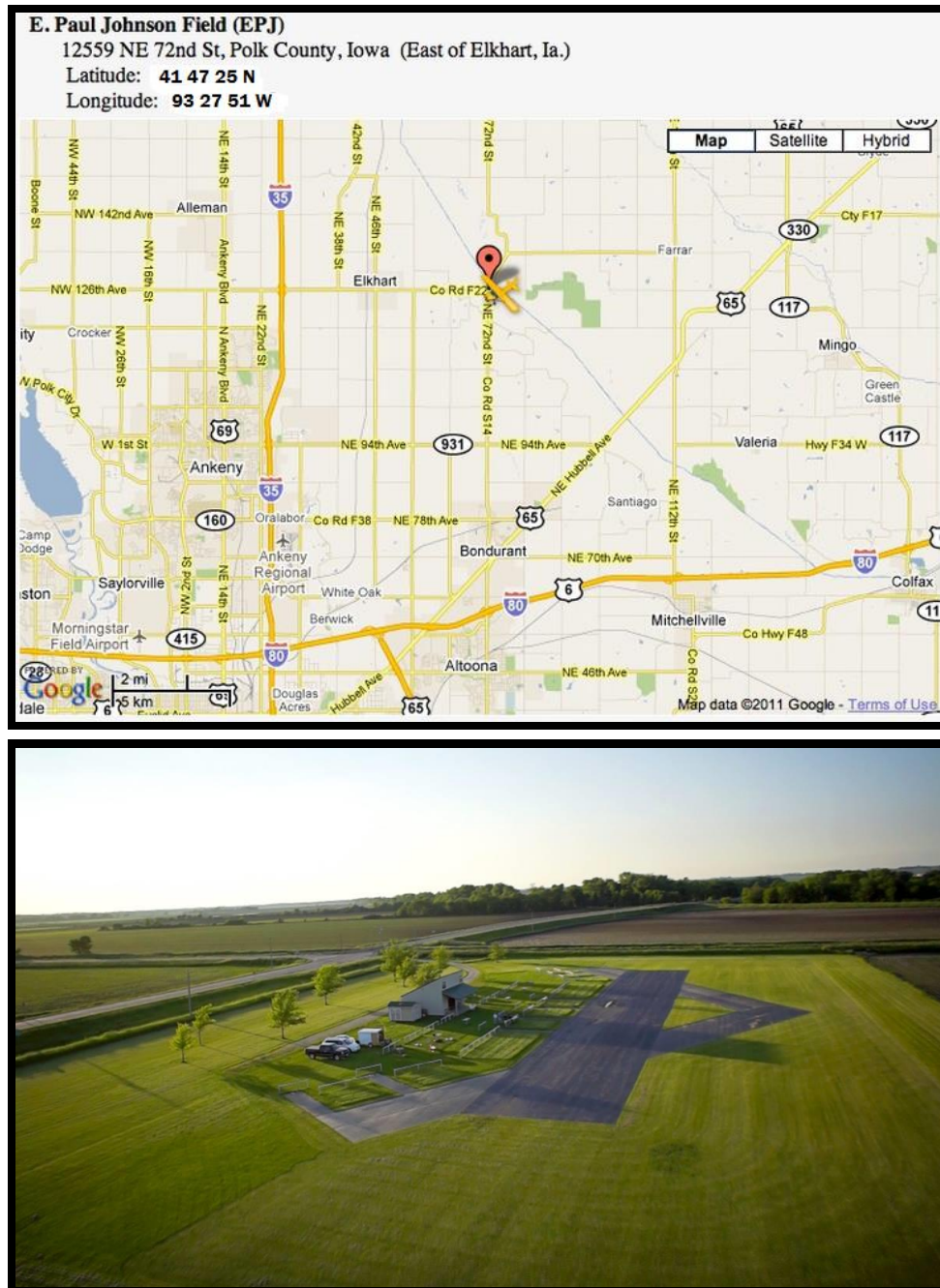
Newsletter Dave Beecher
db500_1999@yahoo.com

Club Training Team

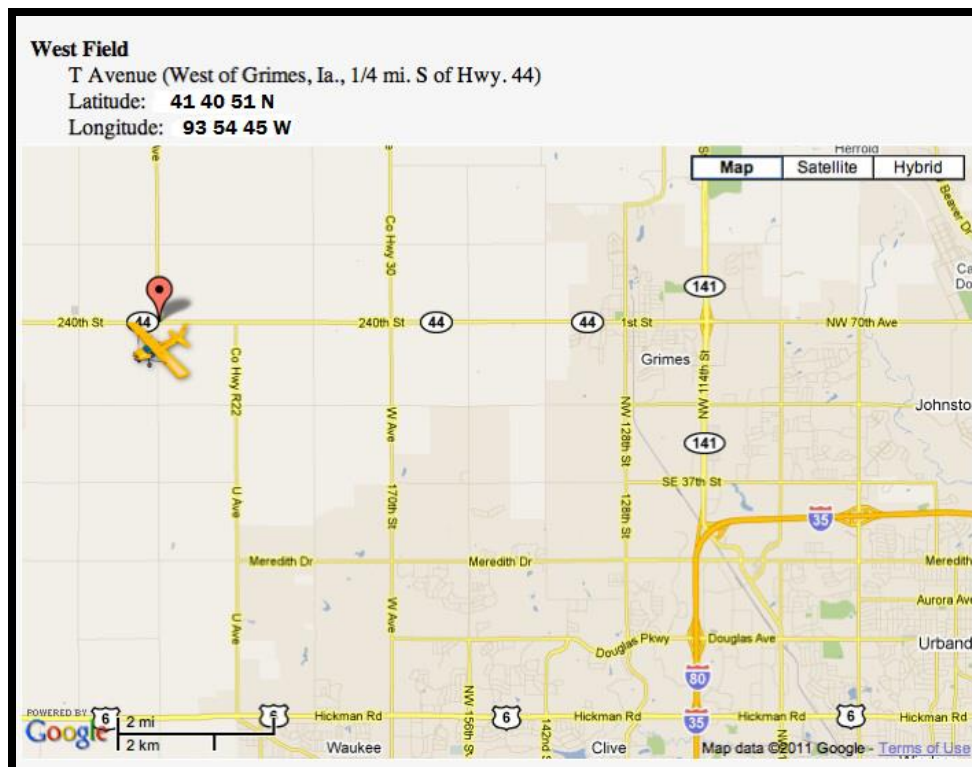
If you are interested in learning to fly please contact any one of these fine instructors

Denis Roy	249-1617	DenisRoy81@gmail.com	Airplane (West Field)
Dave Beecher	661-2456	db500_1999@yahoo.com	Airplane (West Field)
Pat Nestvedt	201-8112	plnest@hotmail.com	Airplane (West Field)
Jim Lewis	289-1144	clone2tb@gmail.com	Airplane (EPJ)
Tim Nissen	975-1091	nissentimothy@mchsi.com	Airplane (EPJ)
Doug Griffith	480-1585	duggriff@yahoo.com	Airplane (EPJ)
Kelly Brown	494-4884	kbrown@dwx.com	Helicopter
Matt Coleman	782-9499	colemn615@gmail.com	Airplane & Helicopter (EPJ)

Our Field Locations: EPJ



West Field



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 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