

Plane Talk News

The Des Moines Modelaires Newsletter Spring 2019

President's Message from Scott Leonard

Hello fellow Modelaires,

I know the date stamp for this newsletter reads "Spring 2019", but I for one don't believe it. Still seems like winter to me – with no end in sight. The snow and cold is killing me – hope the rest of you are faring better!

I understand that the February Indoor Fun Fly was well attended (along with the club meeting).

Thanks to Dave Beecher for putting together the photos you'll see below, and thanks to all those who attended. I do apologize for missing the meeting myself, but was on vacation in a much warmer location.



Please be sure to read the details in the article below regarding the "Drone ID Marking Change". The primary requirement is that your FAA registration number is to be placed on an outside surface of all aircraft (as opposed to the previous rule allowing for the number to be placed inside the aircraft). It might sound confusing, but this rule goes into effect on Feb 25, 2019 but is considered an "Interim Final Rule" meaning it could be changed yet again. We'll do our best to keep you all posted, but I suspect most of you are watching these developments as closely as I am.

Finally, I was contacted by Charlie Stogdill, the president of the Atlantic Hawks RC Club. He was reaching out to invite our members to their June 9th Fun Fly event. We currently have our own event scheduled for the 8th, but thought I'd share this with you all in case you want to head over to theirs as well. I really appreciate and welcome the opportunity to mingle with other clubs like this – so please let us know if any of you are contacted by other clubs. Take a look at their flyer later in the newsletter.

See you at the field!

Scott

General Announcements

Our next event and meeting is on March 9, 2019. The second 2019 Indoor Flying event and Club Meeting will be at the Catholic Church. Flying starts at 9 am, with the Club Meeting at 11 am. flying ends at 3pm.

The 2019 Event Schedule is included later in the newsletter, but some dates are still tentative. If you are one of the event organizers, please review closely and let Dave Beecher know of any necessary changes.

Upcoming Club Events (check web site for possible updates)

- ✓ March 9, 2019 - Indoor Flying and Club Meeting (Catholic Church Flying 9 am to 3pm, Club Meeting 11 am)
- ✓ March 16 – Coffee Social (West Field 10am)
- ✓ April 2 - Club Meeting (West Field 7pm)
- ✓ April 13 - Coffee Social (West Field 10 am)
- ✓ April 20 - and High-wing Fly (John Faust) (West Field 10am – 2pm)

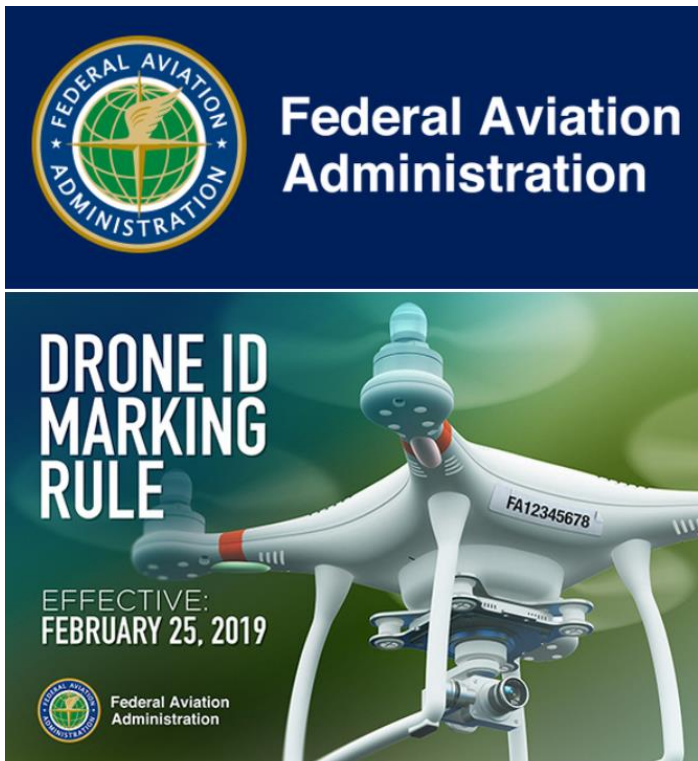
Lipo Capacity vs Voltage

Capacity (%) vs. voltage tabulated by # of LiPo cells in series												
%	1	2	3	4	5	6	7	8	9	10	11	12
100	4.20	8.40	12.60	16.80	21.00	25.20	29.40	33.60	37.80	42.00	46.20	50.40
95	4.15	8.30	12.45	16.60	20.75	24.90	29.05	33.20	37.35	41.50	45.65	49.80
90	4.11	8.22	12.33	16.44	20.55	24.66	28.77	32.88	36.99	41.10	45.21	49.32
85	4.08	8.16	12.24	16.32	20.40	24.48	28.56	32.64	36.72	40.80	44.88	48.96
80	4.02	8.04	12.06	16.08	20.10	24.12	28.14	32.16	36.18	40.20	44.22	48.24
75	3.98	7.96	11.94	15.92	19.90	23.88	27.86	31.84	35.82	39.80	43.78	47.76
70	3.95	7.90	11.85	15.80	19.75	23.70	27.65	31.60	35.55	39.50	43.45	47.40
65	3.91	7.82	11.73	15.64	19.55	23.46	27.37	31.28	35.19	39.10	43.01	46.92
60	3.87	7.74	11.61	15.48	19.35	23.22	27.09	30.96	34.83	38.70	42.57	46.44
55	3.85	7.70	11.55	15.40	19.25	23.10	26.95	30.80	34.65	38.50	42.35	46.20
50	3.84	7.68	11.52	15.36	19.20	23.04	26.88	30.72	34.56	38.40	42.24	46.08
45	3.82	7.64	11.46	15.28	19.10	22.92	26.74	30.56	34.38	38.20	42.02	45.84
40	3.80	7.60	11.40	15.20	19.00	22.80	26.60	30.40	34.20	38.00	41.80	45.60
35	3.79	7.58	11.37	15.16	18.95	22.74	26.53	30.32	34.11	37.90	41.69	45.48
30	3.77	7.54	11.31	15.08	18.85	22.62	26.39	30.16	33.93	37.70	41.47	45.24
25	3.75	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50	41.25	45.00
20	3.73	7.46	11.19	14.92	18.65	22.38	26.11	29.84	33.57	37.30	41.03	44.76
15	3.71	7.42	11.13	14.84	18.55	22.26	25.97	29.68	33.39	37.10	40.81	44.52
10	3.69	7.38	11.07	14.76	18.45	22.14	25.83	29.52	33.21	36.90	40.59	44.28

YELLOW = Practical Limits, RED = Danger, DARK GREEN = Storage/Recommended Discharge, TEAL = Full When Cold

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The above chart is from Jim Porter. Promodeler.com is the source.



FAA Makes Major Drone ID Marking Change

The Federal Aviation Administration (FAA) posted a rule in the Federal Register requiring small drone owners to display the FAA-issued registration number on an outside surface of the aircraft. Owners and operators may no longer place or write registration numbers in an interior compartment. The rule is effective on February 25. The markings must be in place for any flight after that date.

When the FAA first required registration of small drones in 2015, the agency mandated that the registration marking be readily accessible and maintained in readable condition. The rule granted some flexibility by permitting the marking to be placed in an enclosed compartment, such as a battery case, if it could be accessed without the use of tools.

Subsequently, law enforcement officials and the FAA's interagency security partners have expressed concerns about the risk a concealed explosive device might pose to first responders upon opening a compartment to find a drone's registration number. The FAA believes this action will enhance safety and security by allowing a person to view the unique identifier directly without handling the drone.

This interim final rule does not change the original acceptable methods of external marking, nor does it specify a particular external surface on which the registration number must be placed. The requirement is that it can be seen upon visual inspection of the aircraft's exterior.

The FAA has issued this requirement as an Interim Final Rule—a rule that takes effect while also inviting public comment. The FAA issues interim final rules when delaying implementation of the rule would be impractical, unnecessary, or contrary to the public interest. In this case, the agency has determined the importance of mitigating the risk to first responders outweighs the minimal inconvenience this change may impose on small drone owners, and justifies implementation without a prior public comment period.

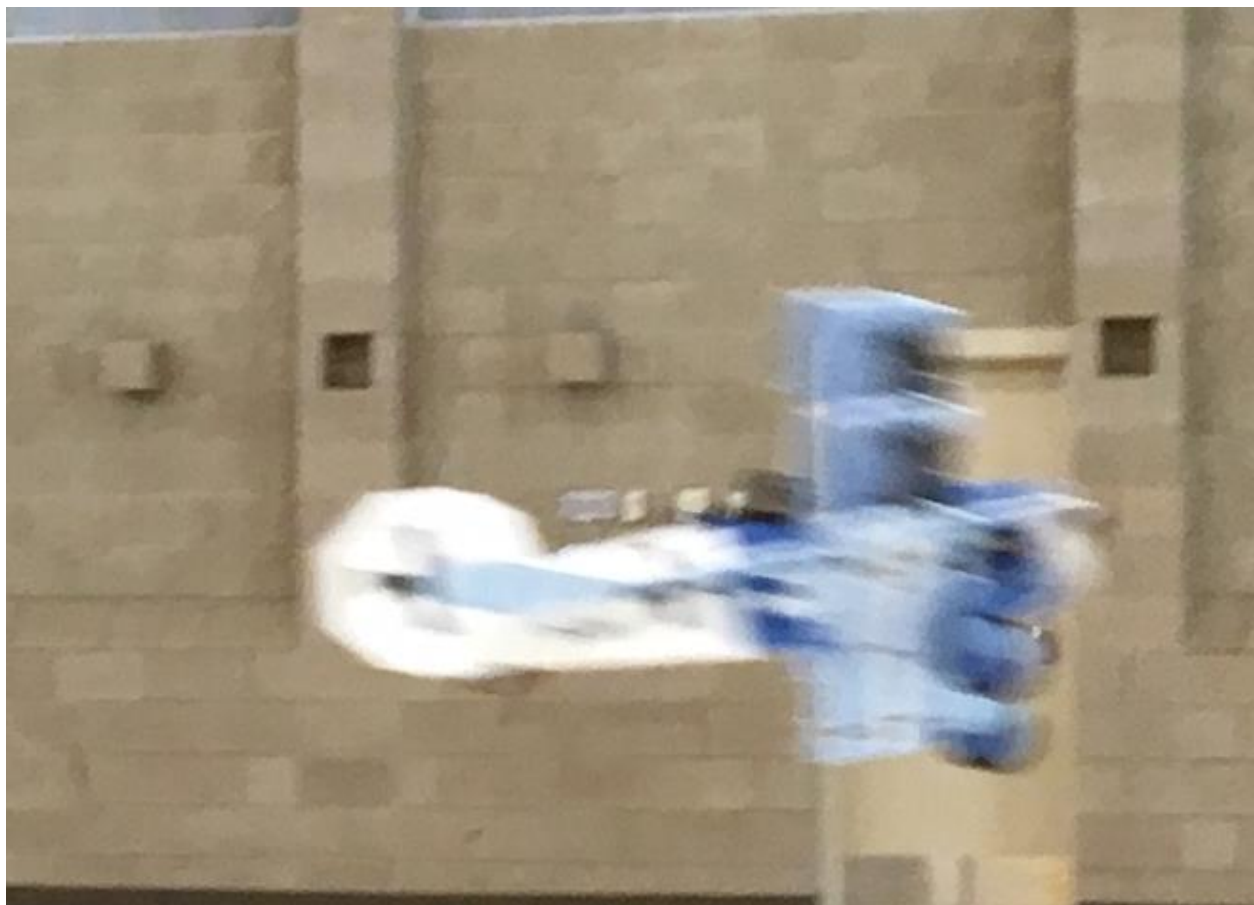
The FAA will consider comments from the public on this Interim Final Rule, and will then review any submissions to determine if the provisions of the ultimate Final Rule should be changed. The 30-day comment period will end on March 15, 2019. To submit comments, go to <http://www.regulations.gov> and search for "RIN 2120-AL32."

As Transportation Secretary Elaine Chao promised last month, the FAA also posted proposed new rules to let drones fly routinely at night and over people, and to further integrate them safely into the nation's airspace. The comment period for these proposals is now open and ends on April 15.

First Indoor Fun Fly 2019

The February 9th indoor fun fly and meeting were well attended. Many types of aircraft were flown by our members. A few photos follow.











Penguin Fly 2019

On January 1, the Penguin fly and Club Meeting was held at West Field. Although the weather was much warmer then 1/1/18, it was still a little chilly. LaVerne made some wooden mementos for those that attended the event. There was plenty of warm food, and a club meeting to kick off the year.







Learn to Fly RC!

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 June 3rd 2019 through Monday August 26th. 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

2019 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, 2019** Penguin fly and Club Meeting (West Field, 9 am, Meeting at 11 am)
- January 12 – Coffee Social (West Field 10am)
- February 9, 2019 - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- February 16 – Coffee Social (West Field 10am)
- March 9, 2019 - Indoor Flying and Club Meeting (Catholic Church Flying 9 am, Club Meeting 11 am)
- March 16 – Coffee Social (West Field 10am)
- April 2 - Club Meeting (West Field 7pm)
- April 13 - Coffee Social (West Field 10 am)
- April 20 - and High-wing Fly (John Faust) (West Field 10am – 2pm)
- May 7 - Club Meeting (EPJ 7pm)
- May 11 – Coffee Social (West Field 10 am) & Multi-wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- TBD – June 2 – Mid West Chopper, (Matt Coleman - EPJ)
- June 3 - Training Program (West Field 6pm)
- June 4 - Club Meeting (West Field 7pm)
- June 8 – Fly low Jet Fly (Dave K and Connor J) – EPJ 9 AM -6 PM)
- June 10 - Training Program (West Field 6pm)
- TBD – Civil Air Patrol Demo (Al Annear - West Field)
- 6/15 – Coffee Social (West Field 10 am)
- June 17 - Training Program (West Field 6pm)
- June 24 - Training Program (West Field 6pm)
- July 1 - Training Program (West Field 6pm)
- July 2- Club Meeting (EPJ 7pm)
- July 6 – Warbird Fun Fly (Ray Pick – EPJ)
- July 8 - Training Program (West Field 6pm)
- July 13 – Coffee (West Field 10am)
- July 15 - Training Program (West Field 6pm)
- July 22 - Training Program (West Field 6pm)
- July 29 - Training Program (West Field 6pm)
- August 5 - Training Program (West Field 6pm)
- August 6 - Club Meeting (West Field 7pm)
- August 10 - Coffee Social & Summer Fun Fly (Jim Porter – (West Field 10am – 2pm)
- August 12 - Training Program (West Field 6pm)
- August 17 – National Model Aviation Day (Alan Annear – West Field 9am – 3pm)
- August 19 - Training Program (West Field 6pm)
- August 26 - Training Program (West Field 6pm)
- September 3 - Club Meeting (EPJ 7pm)
- September 7 – Coffee Social (West Field 10am) Sailplane Fun Fly (John Faust - West Field 10am – 2pm)
- September 14 - Any Size Warbird Fun Fly (Ray Pick – EPJ)
- October 1 - Club Meeting (West Field 7pm)
- October 12 – Club Auction
- October 19 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear – West Field 10am – 2pm)
- November 5 - Club Meeting (Weiss-Merkle Financial 7pm)
- November 9 – Coffee Social (West Field 10am)
- December 3 - Club Meeting and Elections (Weiss-Merkle Financial - 7pm)
- December 14 – Coffee Social (West Field 10am)

Fun Fly Information:

- April 20 – High-wing Fly (John Faust - West Field 10am – 2pm)
- May 11 - Multi-Wing Fun Fly (Alan Annear – West Field 10am – 2pm)
- TBD – Mid West Chopper, (Matt Coleman - EPJ)
- June 8 – Fly low Jet Fly (Dave K & Connor J)
- July 6 – Warbird Fun Fly (Ray Pick – EPJ)
- August 10 - Summer Fun Fly (Jim Porter – West Field 10am – 2pm)
- September 7 – Sailplane Fun Fly (John Faust - West Field 10am – 2pm)
- September 14 - Any Size Warbird Fun Fly (Ray Pick – EPJ)
- October 19 – Coffee/Pot Luck / Fun Fly & Speed Day (Alan Annear – West Field 10am – 2pm)

2019 Des Moines Modelaires Membership Application

IMPORTANT: You must have a current Academy of Model Aeronautics (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.

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)

Flying field (Circle the one that applies). If you plan to fly at both fields, please pick the option that has your primary flying field first: EPJ WEST EPJ & WEST WEST & EPJ

Membership Dues

We now accept PayPal for dues payments. Please use the link below, if you are joining / renewing after March or July you can change the dollar amount after clicking the link. Dues are in effect through December 31, 2019.

New Member	Fee	PayPal Link
Adult	\$100 (\$60 after July 31)	www.paypal.me/davekalwishky/100
Youth	\$15	www.paypal.me/davekalwishky/15
Spouse	\$50	www.paypal.me/davekalwishky/50

Renewal	Fee	PayPal Link
Adult	\$100 (\$120 after March 31)	www.paypal.me/davekalwishky/100
Youth	\$15	www.paypal.me/davekalwishky/15
Spouse	\$50	www.paypal.me/davekalwishky/50

Adult - 19 & over at any time during 2019

Youth - 18 & under through December 31, 2019

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

Dave Kalwishky

4224 Grandview Ave / Des Moines, IA 50317

Cell: (515) 314-7060

Email: dave@kalwishky.com

2019 Club Officers

Position	Name	Email Address	Phone
President	Scott Leonard*	scott@sjleonard.com	(515) 494-2011
Vice President	Dave Kalwishky **	dave@kalwishky.com	(515) 314-7060
Secretary	John Faust**	faustj@q.com	(515) 771-3866
Treasurer	Denis Roy *	DenisRoy81@gmail.com	(515) 249-1617

2019 Board Members

Name	Email Address	Phone
Alan Annear *	raannear@gmail.com	(515) 491-9039
LaVerne Sanders*	Ldsanders2807@mchsi.com	(515) 745-0305
Jack Kamerick**	jdkamerick@gmail.com	(515) 971-0347
Jim Porter **	airporter96@gmail.com	(515) 986-0512
Jim Myklestad **	jimary69@mediacombb.net	(641) 430 8481
Connor Johnson**	cjohnson300@gmail.com	(319) 541-9567
Tim Nissen *	nissentimothy@mchsi.com	(515) 975-1091

* Term expires on December 31, 2020

** Term expires on December 31, 2019

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:

Dave Kalwishky
4224 Grandview Ave.
Des Moines, IA 50317

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

Newsletter

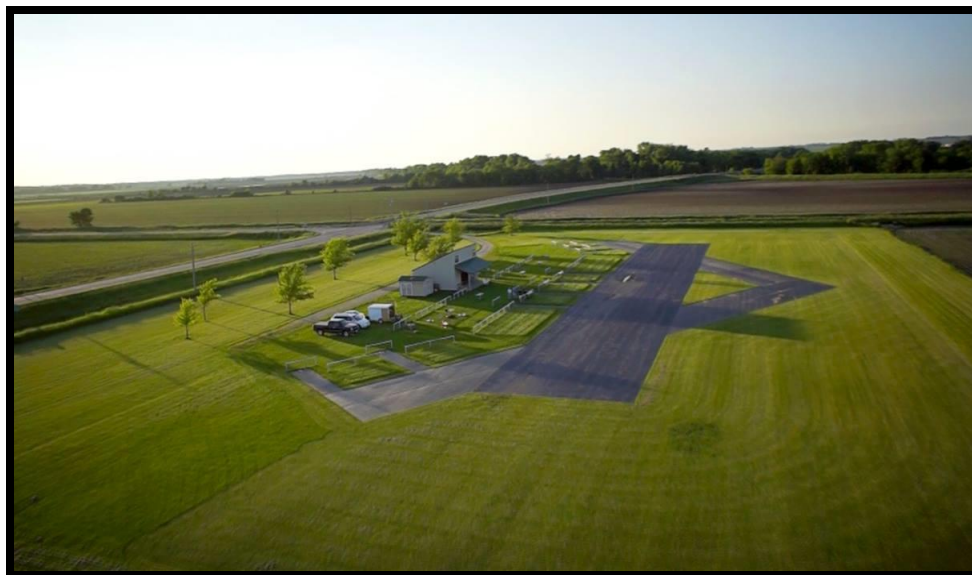
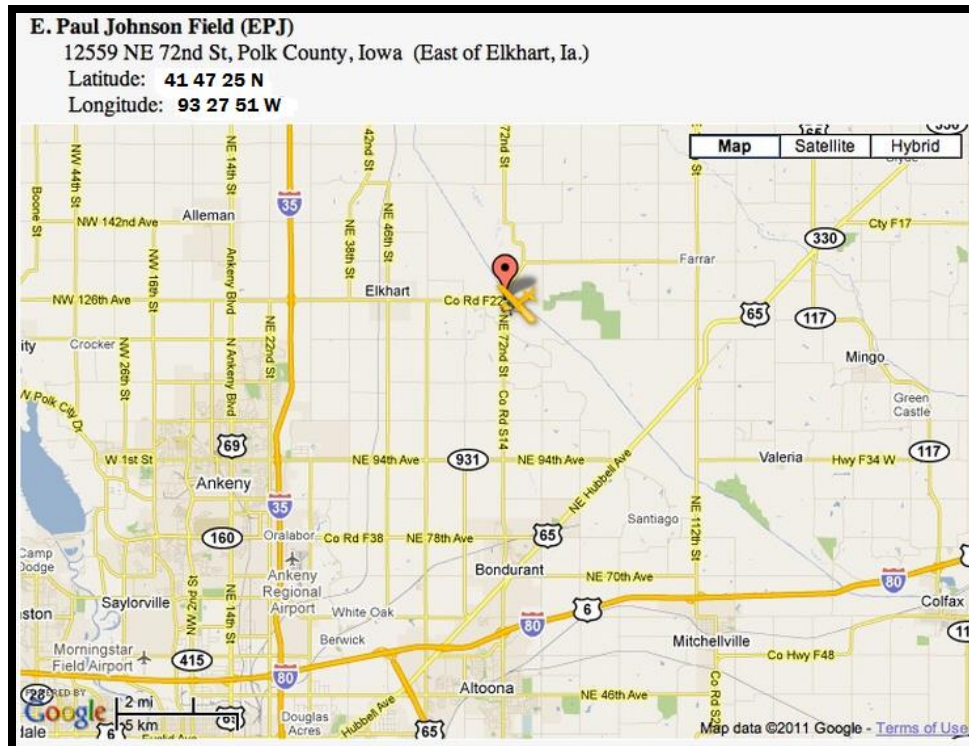
Dave Beecher

Email: db500_1999@yahoo.com

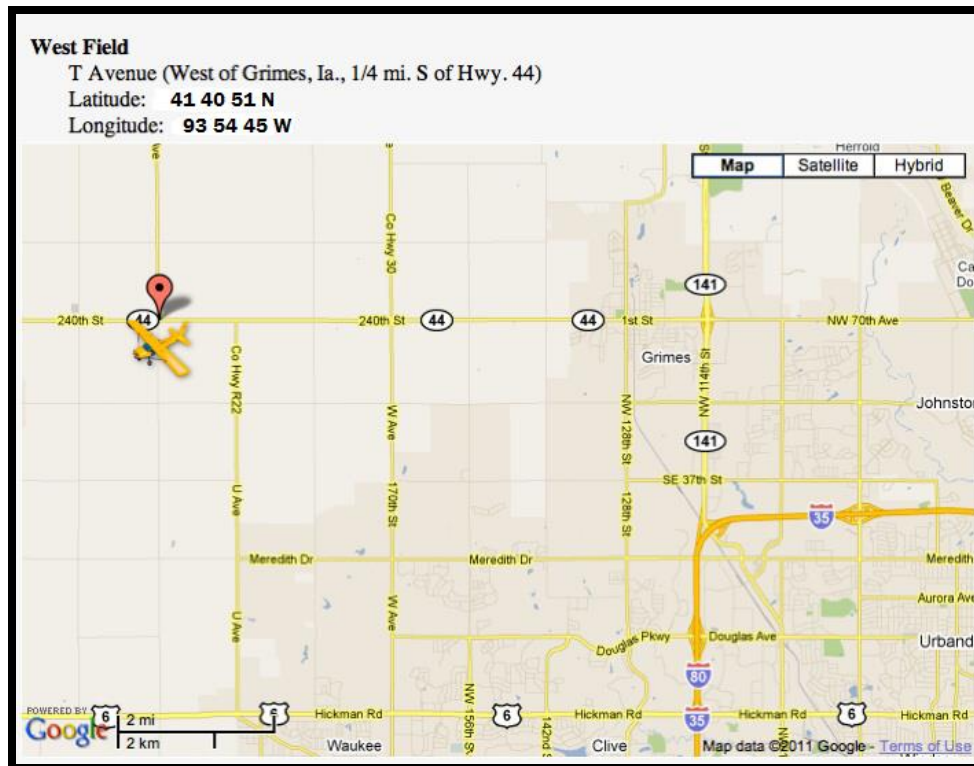
Flying Field Locations

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
- 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