

the

Monitor

December

The MRCS Officers

2015

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Ken Myers

Next Meeting: Date: Wednesday, December 2

Time: 7 pm video, 7:30 Dessert Social, EAA Building

What's In This Issue:

The November Video - Quad Racing Update, DJI Products and the Science Olympiad: A Presentation by Larry Markey - November Midwest Meeting Notes - Photos from the Nov. 8, 2015 Swap Shop - Fall Flying - Upcoming Events

The November Video

The November video was Denny Sumner's Oskash Adventure. Denny took some great photos and videos of the aircraft at this Oshkash Fly-In.

His video presentation was outstanding and appreciated by all!

Thanks so much for sharing Denny!

Quad Racing Update, DJI Products and the Science Olympiad

A Presentation by Larry Markey

FPV 250 Quad Racing

FPV 250 Quad racing has really taken off this past year. The machines are very fast now and extremely rugged. The normal race, with four or five machines, lasts about three minutes. Official races usually have six heats.

The racers started using 3S 1300mAh LiPo batteries in their racing quads, but because of the higher amp draw demanded by today's competitive machines, they

have found that 3S 1600mAh LiPo batteries are necessary.

Larry is setting up an endurance contest that will be about 1/2 hour in duration.

Larry is a spearhead, in this area, for this type of racing.

There has been tremendous growth in this area and a lot of folks have become AMA members to compete in the races at AMA chartered clubs.



Helicopter Frequencies

21, 27, 29, 39, 41

Sailplane Frequencies

11, 12

Larry's group races on Thursday evening in the orchard at Beck and 5 Mile, just west of the old prison.

Steve McFall, former Midwest member, is the manager and director for Experience RC. It is a local business (Livonia, MI) that can provide ARF FPV 250 quad racers.

<http://www.experiencerc.com/store/>

DJI Phantom 3 and Inspire

<http://www.dji.com/products>



DJI is a world leader in multi-copter video machines. It is a HUGE multi-million dollar business. They have recently introduced their own camera, which is even better than the GoPro.

The Phantom 3 (above) is available in standard, advanced and professional versions. Automatic flight assistance is available using all kinds of onboard sensors. The flying video cameras use our governments GPS as well the Russian satellite positioning systems for very accurate placement.

They come preprogramed not to exceed an elevation of 400 feet.

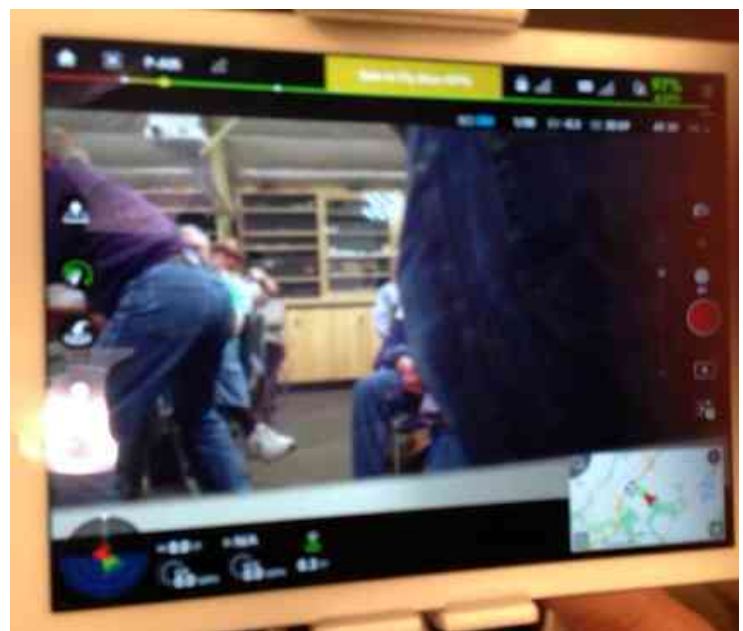
Larry and his grandson use the larger DJI Inspire flying camera. It is really used best as a two person device; one for flying and one for operating the camera.

There is fascinating feedback between the machine and display.

The Inspire includes integrated battery data/charging, etc.



The DJI Inspire is shown sitting on the table with its landing gear down and props removed for safety. The retractable landing gear can be manually and automatically operated.



The feedback from the flying camera system is displayed on a tablet or phone, like the iPad shown in the photo.

**The Science Olympiad
The Nation's Most Exciting K-12 Science
Competition**

<https://www.soinc.org/>

Larry is the coach of a high school team here in Michigan for the Science Olympiad. His team has done very well over the years. The competition starts with about 400 schools. Larry's team has come in second twice in the rubber powered helicopter event.



The rubber powered helicopters are a much more sophisticated idea based on the old Jim Walker, American Junior (AJ) Ceiling Walker of days past.

http://www.americanjuniorclassics.com/ceiling_walker/ceilingwalker.htm

His team has also built a very, very high-tech 4g elastic launch glider.



It much, much improved and sophisticated version of the old AJ Interceptor idea, with a lot more true science involved.

http://www.oldwoodtoys.com/new_page_62.htm

Larry also mentioned that no really knows how the registration of flying camera platforms and other UAVs is really going to be implemented.

The November Midwest Meeting

Arthur Deane called on **Rudi Reinhard** to talk about the upcoming swap shop. Rudi reported that enough tables had been sold to cover expenses.

Lynn Morgan reported that we ended the year with 55 members, 49 of whom were paid members. Unfortunately the number is creeping downward. We do need more members.

Dave Stacer presented a detailed treasurer's report. Dave presented financial data over the past four years.

Arthur thanked all who have worked so hard on the field this year. It was very much appreciated.

He has some concerns regarding the grass cutting teams. We need a more efficient and less physical way of moving the tables.

Lynn noted that at least one team flips the tables instead of moving them.

Arthur called for final nominations for the 2016 officers. There were no additions to the previous nominations of:

Arthur Deane President
 Ken Myers Vice-President
 Lynn Morgan Secretary
 David Stacer Treasurer
 Bill Brown Sr Field Marshall
 Rich Sievert Safety Officer and Director at large
 Roger Wilfong Director at Large

It was moved and a second that all of the nominated people be voted into office, again. The motion passed, choo-choo.

Photos from the Nov. 8, 2015 Swap Shop

There was a very good turn out of Midwest member to helps, vendors to sell and attendees. The preliminary results look quite good.



Manning the door and concession stand



A Look Down the Entry Hall
 Inside the Main Hall



Fall Field Photos



To change your email address contact Ken Myers at kmyersefo@mac.com

The 2015 membership application is available at the club Web site,
<http://www.midwestrcsociety.org>,
for downloading with the link on the homepage.

IMPORTANT: Channels 36 & 56 May NOT be used at the 7 Mile Rd. Field

Upcoming Events:

December 4, Wednesday, MRCS meeting, video 7, meeting 7:30, Dessert Social Evening

Tuesdays, 10 a.m. to 1 p.m. Indoor Flying at Ultimate in Pontiac for 26 sessions

Thursdays, Noon to 2 p.m. Indoor Flying in Brighton

See the Area Event page on the club Web site for the special indoor flying dates at both venues.

Overall, the fall of 2015 did not present too many nice flying days, November 2nd, 3rd and 4th were beautiful and in the 70s.



A Beautiful Fall day at the Flying Field

Midwest RC Monitor
Editor: Ken Myers
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The Next Meeting:

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Place: EAA Building, Mettetal Airport