

the

MONITOR

December

The MRCS Officers

2016

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Treasurer: Dave Stacer 16575 Brooklane Blvd Northville, MI 48167 Phone: 248.924.2324	Safety Officer: Rich Sievert 18265 Arselot Dr. Northville, MI 48168 Phone: 248.349.8058	Head Flight Instructor: Ken Myers 1911 Bradshaw Ct. Commerce Twp., MI 48390 Phone: 248.669.8124
Newsletter Editor: Ken Myers	Next Meeting: Date: Wednesday, December 7 Time: 7:30 Social Meeting & short business meeting, EAA Building	

What's In This Issue:
 Flightline Hobby's New Location - AMA Update - Innov8tive Designs-the Move - 2016/2017 Flying in Brighton - Guest Speaker: Larry Markey - Guest Speaker Joe Hass - November Meeting - Upcoming Social Meeting - Sunday Sport Flying Event? - The Swap Shop - Upcoming Events

Flightline Hobby's New Location

From Joe Hass via email
October 23, 2016

I received the following from Joe at the end of October, so the move has happened. This is my favorite area hobby shop, and well worth the drive for me. KM

John Hoover asked my to pass on this important message. PLEASE PASS THIS ON!

Flightline Hobby will be opening in their new location at 11AM on Wednesday October 26, 2016. Here is the new address:

Flightline Hobby
3039 South Baldwin Rd
Lake Orion, MI
248-814-8359

Flightline is now located in the Walden Pond Shopping Center on the Southeast corner of Baldwin and Waldon. If you take I-75 north exit at the Baldwin Road exit.

Turn right heading north. The mall will be on your right.

AMA Update with District VII VP, Tim Jesky

From Joe Hass via email

Ken,

Please pass this along. I anticipate that there will be a local Goldberg Vital Person Award announcement. Join us for an informative evening concerning topics of interest to the aeromodeling community.

Thanks,
Joe Hass

AMA Update with Tim Jesky

**Monday, November 28, 2016
7 PM. - 9 PM.**

Latest From the AMA & FAA

Helicopter Frequencies 21,27,29,39, 41 Sailplane Frequencies 11, 12
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Ultimate Soccer Arenas
867 South Blvd.
Pontiac, MI 48341

New Products, Special Guest & Pilots' Prizes

No Charge to Attend

Sponsored by
Michigan International Aircraft Association
AMA Charter Club 5064

For More Information contact:
Joe Hass 248-321-7934 or joe Hass@gmail.com

Innov8tive Designs is on the Move
<http://innov8tivedesigns.com/>

On October 17, I received an email from Innov8tive Designs. The email was mainly about a HUGE sale Lucien was having at the California warehouse, but for me, the interesting part was, "Since Innov8tive Designs was founded in 2006, we have been serving the RC modeling community with the finest Electric Power System products and accessories available. We have been at our current location in Vista, California since June of 2009. At the end of November this year, we will be relocating the company back to Monroe, Michigan, the home town of Innov8tive Designs President and founder Lucien Miller."

Wow, that is in our backyard here in southeastern Michigan. Welcome back Lucien!!!

2016/2017 Indoor Flying in Brighton

From Bruce DeLong via email 10/29/16

Just a reminder that indoor flying at the Legacy Center starts weekly this Wednesday November 2nd at 1:00 PM.

Here is the information from the Legacy Center, 9299 Goble Dr, Brighton, MI 48116:

Wednesdays from 1pm-3pm
 November 2nd – March 29th

The drop-in fee will be \$10/day. We are no longer charging our \$15 annual facilities fee, so those who purchased one last year will still be able to pay \$5/day

until their membership expires. At which point they will have to pay \$10/day.

I would also like to stress that drop-in does not begin until the posted time. We need to be strict with the allotted time frame. If space allows, and someone wants to stay after the posted end time they must pay an additional \$10.

The November 2016 Meeting

From 7 p.m. to 7:30, two videos were shown. The first was a WWII flight training film. It was followed by part of a video from Flitetest about how transmitter Expo and Dual Rates work.

Guest Speaker: Larry Markey

FPV racing is a large and growing group. The demographic is a lot younger for these pilots.

The standard quad racing machine can attain speeds of up to 60 to 70 mph. With today's FPV video technology, up to 8 quads at a time can be raced. Typical races last about 2 minutes. Skilled pilots can usually complete the course about 80% of time, the not so skilled, well, not as frequently.

The racing quads are assembled from parts available at Excel RC, a great new drone store in Garden City.

<https://store.excelrc.com/>

<https://www.facebook.com/exceldrones/>

Whole set ups for racing quads cost about \$120 and a decent pair of FPV goggles about \$50.

Recently, HiDef video is becoming available. They've gotten the latency down on these new HiDef transmission, and they are now usable for FPV racing. Unfortunately, these HiDef video systems are still pretty costly at about \$400 right now.

Using HiDef digital transmissions, more quads can fly at one, maybe up to 16.

Flying wing FPV racing is now becoming a big thing. They are true flying wings, with no rudders. The courses are set up similar to Red Bull courses. The wings generally race at a higher altitude than the quad racers, but still not all that high. In the goggles, the view is more like really flying, as the horizon can be seen. Some of these racing wings can reach speeds up to 107 mph.

(Here's a link to an ARF FPV wing racer that I found. KM

<https://www.rcgroups.com/forums/showthread.php?t=2757058>)

Mini-quads can be set up for racing as well. Some folks have been racing these in Larry's building on Thursday evenings. The mini-quads are raced through and around objects.

Larry's shop is located at 14941 Cleat St., Plymouth. Text 3134025213 to make sure they are racing. We race from 5:00 to 8:00. The back door is used for entry. We are there most Thursdays November thru March.

The mini-quads are also assembled from parts available at Excel RC. These quads resemble an Inductrix FPV.

<https://www.motionrc.com/products/blade-inductrix-fpv-bnf-blh8580>

Horizon Hobby has one available, but it is not quite right out of the box. For racing, it is best to have no self-righting. Set up this way, it is called flying in rate mode. A complete set up, ready to race is less than \$100.

Larry also noted that he makes the mounts for the tiny video cameras by 3D printing them.

He said that he looked over our flying field set up and said that he could set up a quad course at our field. There could possibly be a wing course over our field on limited days.



Larry said he would also like to run altitude limited Electric Sailplane events at our field. A CAM Altitude Limiter, from Soaring Circuits, is used to limit the altitude. It costs \$39.00.

<http://www.soaringcircuits.com/>

Of course any electrically powered 'sailplane' type aircraft could participate. They would run a few evenings a month.

He noted that he taught several folks in his sailboat racing group to fly sailplanes using the Consendo S from Horizon Hobby. Other planes are certainly acceptable.

Guest Speaker: Joe Hass

Our second guest speaker was **Joe Hass**.

He passed out fliers for the Nov. 28, AMA District VII meeting at the Ultimate Soccer Arenas. (see page 1 of this issue)



He showed us the new Dromida XL from Hobbico.

http://www3.towerhobbies.com/cgi-bin/wti0001p?&I=LXGBBG**

He noted that it is set up quite differently from other drones in that it has modes where it flies somewhat atomiously. It can be fitted to carry and optional camera.

The ready to fly version of the Dromida XL 370 UAV Drone sells for \$160 at Tower Hobbies.

He shared Mark Freeland's, RetroRC, Saucer RC, with us.

<http://retrorc.us.com/1913eastbournemonoplane-2-1.aspx>

Joe Reviewed the kit in the Oct. 2016 *Model Aviation* magazine, p. 57.

It flies well, and flies very well slowly. It does present itself differently in the air. **It is imperative** that the CG is correct. The recommended CG is very far forward, but that is where it needs to be!



Joe also noted that Home Depot is now selling sample sizes of semi-gloss latex paint, which is great for painting electric aircraft.



He also shared the brand-new Flyzone Rapide warmliner aerobatic sailplane from Hobbico. It is so new to him that he's not had a chance to fly it yet, but it should be a great flier.

The receiver ready version sells for \$220 at Tower Hobbies.

<http://www3.towerhobbies.com/cgi-bin/wti0001p?&I=LXEJTK&P=ML>



While he didn't have it with him, he noted that he really enjoys flying the Dromida Voyager. He highly recommends it. It needs a bit more rudder movement than the original set up, and quite a bit less elevator movement.

The Dromida Stinson Voyager EP RTF is \$90 at Tower Hobbies.

<http://www3.towerhobbies.com/cgi-bin/wti0001p?&I=LXGDTD&P=ML>

The Business Meeting

Lynn Morgan, club secretary, noted that the 2017 membership application has been posted to our Web site.

Dave Stacer, club treasurer, presented the 2015 financial report and said that we could be slightly in the black for the year, if the Swap Shop is as successful as last year. The Friends of the Field (FOF) donations were down some from last year, but luckily we had less expenses.

Rich Sievert, safety officer, said that no safety issues were presented to him.

Ken Myers, VP, asked the members if they'd like to do a Christmas 'white elephant' exchange at the December social meeting. The idea is to exchange hobby items that are still in like-new condition, but that are no longer being used by the member. It was decided that anyone who wishes to participate will bring one wrapped item and then be able to select one. While our newest members might not have a treasure trove of useful items just setting about, most of us should have some good stuff to share.

Arthur Deane, club president, called for any more officer nominations, before calling for the vote for the 2017 officers. All of the current officers and members at large were reelected unanimously.

Arthur then went over the final Swap Meet reminders.

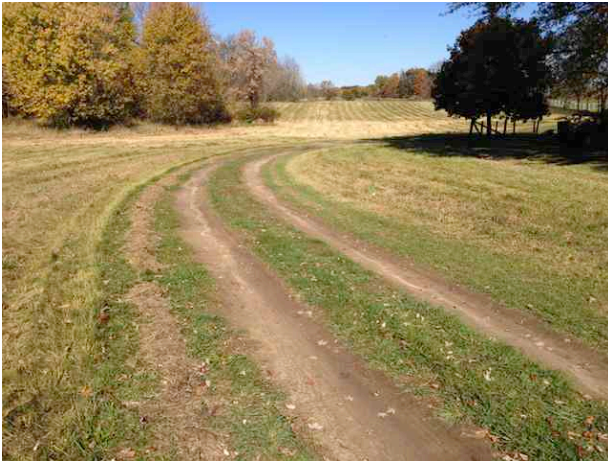
Arthur Deane did a presentation covering a lot of items and issues facing the club.

He noted that our club has a very long history, being chartered by the AMA in 1958, that is a wonderful 58 year history.

During his presentation he noted that Vendors who have signed in for the Swap Shop may also use the west, rear, door for entry.



He moved onto some flying field and entry drive issues. He noted that we should probably leave the erosion in this part of our drive alone.



He suggested that this part of our drive be flattened with a roller in the spring.



Pete Waters has already said that he would provide assistance in the continuing problem of our low spot and has been working on it already.

Arthur noted that YouTube is a good source of video presentations, but there are some risks in downloading the videos because of adware tracking software.

Next he presented four possible topics for guest speakers for the 2017 meetings.

Arthur's Suggested Topics for Winter Meetings

1. Stop guessing prop sizes and Analyze performance

Drivecalc, Scorpion_Calc - Free Propulsion system performance programs

Motocalc- Selects propulsion system and provides expected airplane performance

Myers - Glow to Electric Conversion. Airplane Config to propulsion system. Great design tool (Ken Myers said he'd do this one.)

2. Airfoils to Hardware Arthur

TracFoil Generate basic airfoils shapes, structure cut outs and holes

Transfer data to CAD and generate laser cut files

Scanning existing design data to CAD for cutting.

Cutting sources

(Arthur said he'd do this one.)

3. Foam construction

Material sources - foam, carbon tubes, adhesives

Resources for published designs - RC Groups,

Test Flight

4. Flying Tips

Start take off crosswind with corrective aileron

Always land in crosswind with power

Dive stall test - Why it works

Ken Myers also said that he would like to do a presentation about optimizing the physical set up of the transmitter to fit each individual correctly and the initial airplane setup. He also said he'd like to share how he tested his LiPo batteries and the results the tests yielded.

Larry Markey said he like to do a presentation on setting up sailplanes and soaring.

Lynn Morgan was asked to provide information on pattern flying, including the equipment and required patterns.

Arthur's Thoughts on Our Membership

We have been having a pretty steady decline in membership. Unfortunately, we are getting very few new, long term members.

During several previous meetings, it was suggested that we might combine with other clubs, but we really don't have that incentive yet, and it would mean a loss of independence.

MRCS does have the financial strength to continue.

There have been some suggestions made to increase our membership. The suggestions have included welcoming quad-copters and gliders. **Larry Markey** is going to present proposal the December meeting regarding quad-copter usage/membership and the sailplane event(s).

Larry also suggested that we look into some kind of Facebook group. **Greg Eilers** is doing that.

Arthur suggested that we might make a 'push' to recruit members from the South Lyon area.

To turn all of these suggestions into plans requires a sponsor in MRCS to lead the programs and recruit new members. We are still looking for someone to head a group to get us promoted to the South Lyon community, since Larry is already looking into the quad-racer and glider aspects.

Finally, Arthur went over our expenses and income for 2016. The good news was that we should end the year in the black, by a very small amount.

He also presented our financial situation for starting 2017.

He noted that should we ever have to 'close down' the club, we will need close down costs from our funds to return the flying field to its original condition. Those close down costs could reach as high as \$20,000. The remainder of the funds must be donated to charity.

The Upcoming December Social Meeting

The December meeting is our annual social. We all bring desserts, or possibly 'healthy' snacks to share. There will be NO video preceding the 'social'. The starting time is 7:30.

This year there will be a 'white elephant' gift exchange. To participate in the exchange, bring a wrapped

gift. The gift should be something you no longer have a use for, but that is in 100% usable condition for someone else. This is not to be a get rid of something broken or spoof-type gift.

Also, Larry Markey will present what he's found out about the possibility of extending our membership by having a quad racing course available.

Sunday Sport Flying Event - Question for the Membership

Pete Waters has offered to run a monthly sport fly event for members. The event would be a few simple flying competitions open to all types of planes. The suggestion is for it to be held monthly on a Sunday afternoon.

Are members interested in this sort of program?

The November Swap Shop



Thanks so much to **Rudi Reinhard** and all the folks who worked to make the November 6 Swap Shop another HUGE Midwest RC Society Success!



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

The 2017 membership application is available at the club Web site,
<http://www.midwestrcsociety.org>,
 for downloading with the link on the homepage.

Upcoming Events:

Tuesdays, 10 a.m. - 1 p.m., Indoor Flying at the Ultimate Soccer Arenas in Pontiac, MI

Wednesdays, November 2nd – March 29th, 1 p.m. - 3 p.m., Legacy Center, 9299 Goble Dr, Brighton, MI, 48116

Nov. 28, Monday, AMA District 7 Meeting with Tim Jesky, 7 p.m. - 9 p.m., at the Ultimate Soccer Arenas in Pontiac

Dec. 7, Wednesday, No Video this month, 7:30 p.m. MRCS social meeting with desserts & 'white elephant' gift exchange, short business meeting



The November 2016 Swap Shop

Midwest RC Monitor
 Editor: Ken Myers
 1911 Bradshaw Ct.
 Commerce Twp., MI 48390

The Next Meeting:

Date: Wednesday, December 7, 2016

Time: NO Video, 7:30 p.m. Meeting

Place: EAA Building, Mettetal Airport