

# Skywriter

official digital newsletter of

AMA Charter Club #970

www.skymasters.org

24 year Gold Leader Club



**Skymasters Radio Control Club of Michigan**

*it's another beautiful day at Skymasters...*

**January, 2017**



## In this issue:

President's Message.....1	Indoor.....11	Event Flyers
Propwash.....3	Christmas Party.....12	& announcements....15-20
Some Assembly Rqd.....5	Membership Renewal.....13	News.....21
Troops Need Love.....10	Help Wanted.....14	Calendar.....22

## From the President...



### Happy 2017!

I've been excited to see all the growth in our club this time of year through new members and renewals and returning members. It is the time (of year) when I think, or at least I hope, we all gladly pay our club dues and appreciate how much we get for our money (membership dues). For seventy-dollars we have year-round access to the beautiful grounds we lease from Bald Mountain Recreation Area. We have our wonderful club with all the top-notch events offered that we can participate in and hopefully we joyfully contribute towards their success. Events like our Warbirds Day, Electric Day, Night Fly In, winter Indoor Flying the Midwest Regional Float Fly and the club Fun Flies, etc! We get to see some of the most beautiful and interesting aircraft and watch them fly gracefully across the sky. We get to work with and interact

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with the great men (and women) who make up our club, the best and the brightest. We've been able to attract some top notch young people to our club over the past years that are a huge tribute to the quality of our membership. Our club offers the best club meetings throughout the winter months at the Orion Center and at the field in the summer, with some of the best speakers and presenters in the field of Model Aviation and Aviation in general. We have the weekly potluck dinners in the summer and student pilot training too. I could go on and on as to why I think the membership dues we pay is a small amount in comparison to the value that one gets from membership but, I think you get my point. Just as a point of reference our membership dues continue to generate enough income to maintain our flying field for the year. It comes to about \$12,000.00 per year with all the field maintenance, rent, mowing and everything involved to maintain our field/club.

Looking ahead to 2017 I hope that we continue to grow. I'd love to see us hit the 250 membership mark. We've been flirting between 225 and 235 for the past few years and I'd love to have a huge influx of youth that have a passion for model aviation. If you have any ideas of want to look at using any of the existing AMA programs like TAG, or the STEM programs to help grow our club please let me know. We just need good men that have the time and talent and can work to share our hobby with young people. We have many local Boy Scouts we could reach out to as well as the local school systems. Let me or anyone on the EOC know if you have any ideas for this.

I am excited about our joint venture with Pontiac Miniature Aircraft Club and Skymasters RC Club for our combined Swap Meet on Saturday March 4. See the flyer in this newsletter for all the information and the new excellent location. We plan to have the on-line registration for tables up and running in the next few weeks.

I am also happy to announce that we have Event & Contest Directors set up for the September 2017 Midwest Regional Float Fly and moving full steam ahead with planning for this great event! I am already excited for this, again!

We had a great, considerably warm and very well attended Krazy Snow Fly yesterday. The previous two years had been so very cold. Thanks to Paul Zabawa for all he does to put on a superb event and all the pilots and it is always so great to see everyone.

Our first club meeting is Thursday January 12 at the Orion Center and Andy Low of Electrodynamics will be our guest presenter DON'T MISS THIS! His presentation last time was one of the best ever and we've been waiting to get him back. So mark your Calendar Thursday January 12, 6:45 at the Orion Center.

Then, Thursday January 26, is going to be HUGE. We will be gathering items all month for deployed service members/ troops and on the 26<sup>th</sup>, our club meeting we will be boxing up the items and packing them to ship. Working with the Troops Need Love Too group we will be helping our deployed overseas military men and women who are often forgotten after the holidays. Please, gather all the items you can and be there for the packing event! Jon Grigsby has information in this newsletter and will be sending more information throughout the month. Check out [www.troopsneedlovetoo.org](http://www.troopsneedlovetoo.org)

Looking towards a great 2017 with you, I am!



**Bob Chapdelaine**

**President, Skymasters RC**



# Propwash

By

Joe Finkelstine

January, 2017



# Return to Oz

## Hi All

For this month I want to visit one of my favorite topics of exploring the crazy herd of people known as RC'ers. I often visit this topic when I am struggling with something to rant about as collectively, we are a strange breed.

Like many of you reading this, I dabble in more than just RC. Some of my other interests include endeavors that are somewhat stagnant and some danger of virtually disappearing when the current generation of hobbyists dies off or otherwise leaves the hobby. One of my other interests, miniature machining, is in real danger of disappearing within the next 20 years I believe. Even the advent of CNC (I.E. computer controlling speeds and feeds) has not really changed the makeup of this hobby to a great extent I can see - I really hope I am wrong, as the masterwork I see each year is truly amazing at the machining shows I attend. One of the biggest miniature machining events in the USA is right here in Michigan each April (N.A.M.E.S.) and I am a younger attendee in my late 50's.

Drilling down on miniature machining for a bit more, it is a hobby that requires significant understanding of the underlying technology of cutting and shaping methods, as well as a good understanding of metallurgy if you are to make anything lasting or actually work. Even through the birth and mainstreaming of CNC, this need of understanding how things work, how metal behaves, and how it all fits into a working model has not changed. I would put forth to you that this is one of the primary drivers causing its decline. It is not easy to be a good machinist; it takes time, study and effort to learn. The same holds true for amateur (HAM) Radio - understanding of radio theory and practice is essential.

Pivoting back to our hobby of R/C, I would claim we have this same issue as our machinist counterparts, but the technology churn in our hobby is mitigating the effect for now.

Our hobby has enjoyed both incremental and disruptive changes in the last 50 years. When the hobby began to emerge after the Second World War and early 50's, the technology was barely enough to get a small plane to fly and maybe even recover it. The building techniques and

radio equipment followed incremental improvements (shrink covering, vs. tissue and dope, fully proportional radios, etc.) These incremental changes dominated well into the 1980's until what I consider the first emergent disruptive technology of ARF's. The first ARF's were really bad (as most initial disruptive things are when compared to when it becomes mainstream) with covering no one could figure out how to fix, poor construction, etc. After a short duration of about 10 years, ARF's took off and now fully dominate our hobby.

Continuing on the disruptive front, a much more recent one is the advent of multi-rotors ( what the public calls "drones") - these first started out with a key (disruptive) capability of being quite easy to fly because of electronic stability, and the technology churn continues unabated - Multi-rotors now have the exciting capability of First Person View (FPV - I.E. a tiny camera on the multi-rotor sends video back to the RC pilot who essentially sees and controls the multi-rotor as if he/she was in the cockpit)

We can argue nonstop about if these multi-rotors, FPV, etc., have been good for the hobby or not, but that misses the point. One thing not under dispute to me however is that this technology churn (ARF's, multi-rotors, open source radios, etc.) has brought in huge numbers of people to the hobby who might not have otherwise even considered the hobby as well as opened up real business opportunities for entrepreneurs delivering video capture and surveillance services via the multi-rotor path. I see no real end to this churn, which I think overall, is lifeblood to our hobby continuing.

So, what exactly is my beef here? - Glad you asked.

In both the cases of ARF's and multi-rotors, the manufacturers have worked to significantly reduce the need to understand the underlying technology, the basis of how it works, setup, and most importantly, the need for you to even take the effort to learn how this stuff works. I could argue the same for modern battery chargers, most construction techniques, etc. At the significant risk of repeating myself, I do not want to disparage this technology churn, but there is an underlying

(Continued on page 4)

(Continued from page 3)

issue in forgoing the effort to learn the underlying basics of the stuff we fly.

My daughters happily use their apple phones and apple laptops without understanding anything about them (whereas I, a windows PC user, must understand how my PC works to keep it and myself happy). This was a major advantage that helped Apple win a devoted customer base, and I would claim also made a large base of blissfully ignorant captive customers bonded to the whims of Apple marketing.

Back again to RC, If we choose to not understand basic aerodynamics, basic electronics, and mechanical control theory, we are also vulnerable to becoming Apple like minions.

One motivation to learn about our equipment is economic in nature. When something on your plane or radio does not work - you will have to find someone to fix it for you, buy another, or wait on the sidelines and watch? Many ARF's still require you to setup and install the radio gear - do you know why C.G. is vital? - do you know what expo is on your radio?

Perhaps you wish to pursue a project that is a good reflection of your skills, personality and talent - What will you do if you want to have a plane that none of the manufacturers make available? - Perhaps you have dreamed of designing your own ship?

The manufacturers have delivered astounding technology to our hobby in a very short timeframe and it has significantly removed the need to slog through all the "basics" that we old crows tried to learn in building a

flying model airplane from a box of sticks, sheets, glue, and colorful language.

One of the reasons I return to basic topics (how radios work, what is a center of gravity, etc.) that I have covered previously in this column is driven by so many in our hobby who are at the stage where their plane is something they charge and go fly, comfortable with the same relationship as an iPhone user. If something goes wrong, a pilot may be faced with no background understanding of where to even start looking past the "is it plugged in and turned on" phase. This is not a condemnation of those pilots or of the manufacturers - it is a direct result of what we as consumers have asked the manufacturers to deliver to us - something they have done in spades.

The small industry supporting our hobby must stick with products that are in relatively high demand to generate enough revenue to continue, they certainly see that removing the barriers to entry will open up market share considerably, so this is OK.

My call to action here for all reading this is to peek underneath the covers and actually pay attention to the man behind the curtain.

**Joe Finkelstine**

**DON'T  
DELAY  
COME  
FLY  
WITH US  
TODAY!**

**We will teach you to FLY**



**Who:** Skymasters RC Club of Lake Orion, MI

**What:** Come watch us fly or join & learn to fly

**Why:** Great family fun! Fun for all ages - open to the public

**Where:** West Scripps Road between M-24 & Joslyn (part of Bald Mountain Recreation Area)

**When:** Daily, weather permitting - check our website for airshow events



AMA Charter Club #970



modelaircraft.org



# Accentor Fuselage

Last month we looked at the construction of the Accentor wing assembly and I closed with the teaser that this month the article would cover the Accentor fuselage construction including something unusual. That something unusual is that I will be installing a radio controlled throttle. Why? Well, it's been almost 60 years since I've flown a control line model and though I am confident that I'll be able to fly one, I'm a little concerned about getting dizzy so with a throttle I'll be able to land whenever I want. It'll also add a new dimension to flying by enabling touch and goes. Of course you can build yours with or without a throttle. I will say the throttle adds more complexity to the construction than I originally thought.

A little bit on engine selection. If you are not going to add throttle control you have 2 choices. You can use a control line engine...they are a little scarce these days. Brodak sells a .40 size engine or you might be able to find a Fox, OS LA series or a Supertiger on Ebay or the forum classifieds. But you can also use an R/C engine you already have and use a piece of wire to hold the throttle wide open. Try to use the lightest engine you can find. Control line engines are typically very light. Control line planes typically have a long nose so a heavy engine will probably require you to add a lot of weight to the tail to get your C.G. Right. Anyway, lets get started. As before this will not be a re-hash of the instructions that come with the kit, just the things that I did different or that are not well covered. The first thing is that the plans call for 3 degrees of right thrust to help keep good tension in the flying lines. The problem is that the maple engine bearers don't account for that. Also I'm using an Evolution .40 RC engine that is a little narrower than the maple mount spacing. By a simple calculation I determined that the nose needs to be tapered .12" to the right side. Before I attached the plywood spinner ring I marked the .12" on the right side and used my disk sander to sand the nose to the correct angle.



.12" marked on tight side



Sanding the 3 degree angle

To deal with the engine crankcase being narrower than the maple mounts I glued a 1/16" piece of plywood to one mount and then used a file to angle the mounts to set the engine to the required 3 deg. angle.

(Continued on page 6)



without taking too much material. Install the muffler and make clearance for that too.



**Cylinder and carburetor clearance**

*(Continued from page 5)*



**Plywood spacer**

The Evolution carburetor takes up a lot of space in the narrow nose so I used a drum sander to clear out the balsa nose filler blocks. To do this fitting step I removed the rear mounted needle valve assembly.



**Creating clearance for the carburetor**

Note that I've added a hole to the left side to clear the needle valve assembly. Next I cut the hole in the bottom nose block to clear the engine cylinder head. I also had to remove quite a bit of material to clear the carburetor. This took several trial fits to get the clearance



**Muffler clearance**



**Completed engine installation**

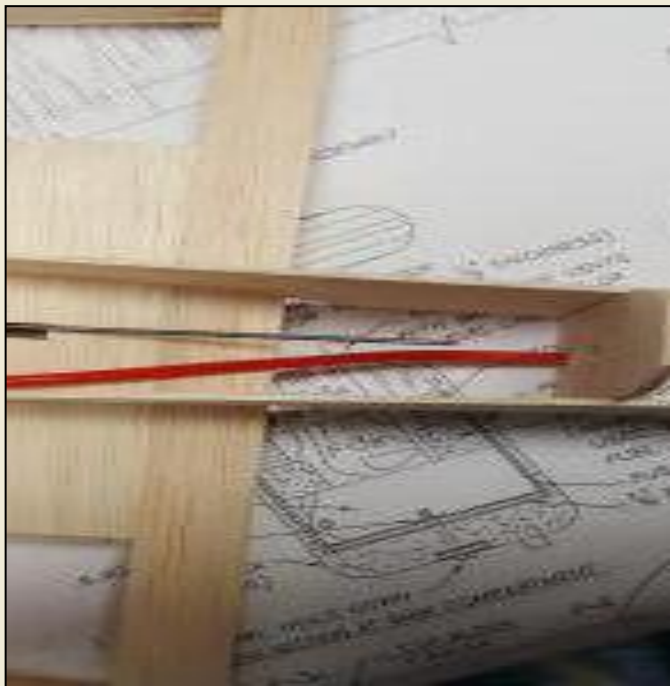
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You will now need to make up a throttle push rod. I am using a Nyrod for this. My throttle servo will be mounted in the rear of the fuselage by former F-8. All of the electronics will be back there to help offset the extra weight of the Evolution engine. Use your Mono-kote heat gun to form the outer casing of the Nyrod to snake the linkage to the servo location. Be sure that your linkage will clear the flap control linkage.



**Formed Nyrod**



**Clear flap linkage**

When adding the plywood landing gear mounting plate I thought that its attachment leaves a lot to be desired. A hard landing could break it free and put the wheel pants through the bottom of the wing. I added a 1/2" triangular reinforcement between the plate and the

bulkhead as well as smaller reinforcements on each side



**Landing gear block reinforcement**

The top nose block needs to be hollowed out to save nose weight. I hate hollowing out blocks. It turns out that the top of the fuselage is straight from the firewall to the rear of the canopy so I decided to mold a piece of 3/32" sheet instead of hollowing out the big block. To do this I took a piece of 3/32 sheet and soaked it in water for a few minutes and then taped it to a piece of 1-1/2" PVC pipe. I let it dry overnight. The molded piece was then trimmed to size and glued in place. I made an extra top bulkhead to give it better support.



**Wet balsa taped to PVC pipe**



**Molded sheet after drying**

(Continued on page 8)



(Continued from page 7)



**Extra bulkhead added for support**

Note that I still have a shaped block in front of the firewall to transition to the shape of the spinner.

I decided to use a standard R/C 4oz round clunk tank instead of a typical control line metal tank. I did this so I can taxi with less than 1/2 a tank of fuel, something you can't do with a control line tank. This tank is a tight fit below the maple engine bearers. It needs to be mounted as low as possible to get the tank centerline aligned with the carburetor spray bar. The size and location of the tank makes the plumbing a little challenging. I decided to use a Robart fuel filler valve to simplify fueling but this turned out to be a tight fit. It required me to make tight 90 degree bends in the brass fuel and pressure lines coming from the tank. To make the tight bends I heated the tubing red hot with a torch to anneal the bend area. I then inserted a piece of 1/16" steel pushrod cable from my 20 year box to keep the tube from kinking during the bending.



**Annealing the brass fuel tube**



**Steel cable prevents total collapse of tube**



**Tight fit!!**

I put a hole in the bottom nose block for the pressure line exit. I also added a 4-40 bolt to secure the removable bottom block. When I do these kinds of holes I insert a piece of brass or aluminum tubing and secure it with CA adhesive. It is tough to fuel proof these holes and the tubing also gives the hole a nice finished look. In bolt holes the tube helps to prevent the bolt from crushing the balsa. Lots of benefit and easy to do.



**Pressure line exit from bottom block**

(Continued on page 9)



(Continued from page 8)

The radio installation is all behind the wing. There will be a removable hatch covering everything. I'll be using a cheap R/C car radio that I'll hold in my left hand to operate the throttle. In the picture you can see the car receiver, a 9g throttle servo, a micro size switch, a 260mah LIPO and a SBEC to get 5V for the receiver and servo. If you don't have a car radio don't go out and buy one. Some guys use a regular airplane transmitter and hang it off of their belt on a hook. That might even be better than holding a car transmitter in your free hand.



### Radio installation in rear of fuselage

The rear hatch is simply a 3/32" sheet with a tongue on the forward end and a 4-40 bolt on the rear. Since the wood grain runs longitudinally I added a few strips across the grain to help keep it flat.



All of the rest of the construction is done as described in the kit instructions. A couple of key points. Be absolutely certain that you have the wing and horizontal stabilizer properly aligned with one another and the fuselage centerline. Be absolutely certain that the flaps and elevator halves are aligned with each other left to right and the flap to elevator pushrod is adjusted so that the flaps and elevators are at 0 degrees relative to each other in the neutral position. When the control surfaces are in the neutral position and you find the leadout ends in the wing are a little uneven you can deal with that by adjusting the line connection at the control handle.

Here is what my Accentor airframe looks like at this point.



### Accentor finished airframe

That's it for this month. Next month we will finish up with covering and some final details including weight and balance. I'll also talk about the next project that I hope you will find interesting. **Steve**

## REMINDER!

If your vehicle license plates are coming up for renewal, don't forget to check the "Recreation Passport option" box on your application. It only costs \$11 and in addition to granting vehicle access to the Bald Mountain Recreation Area and our field, it also gives you access to 103 state parks and recreation areas, 138 state forest rustic campgrounds, and numerous free family-friendly events, as well as parking for hundreds of miles of trails and fee-based state boat launches. [Here's a link to the official web site for more information.](#)

# Hello fellow Skymasters!

As you may or may not have heard, our President Bob and I had the honor of giving a helping hand at a local home-grown charity "**Troops Need Love Too**". The long and short of it is that they help troops that are deployed overseas and in need of the basic essentials that you and I can easily take for granted. We will be looking forward to showing some more support and love for those that place their lives on the line for us at our club meeting this **January 26<sup>th</sup>**. Their site, [www.TroopsNeedLoveToo.com](http://www.TroopsNeedLoveToo.com), has loads of information and as well as their mission and letters from troops that have received these care packages. You can also find them on Facebook by searching their name. Below is an example of some of the items that can easily be picked up in your travels and brought to the club meeting to be packaged and sent to a troop in need of some support from home.

- **Food (non-perishable/no pork products)** - Ravioli, Spaghetti O's, Ramen noodle cups, Canned tuna/chicken, SPAM, Cookies, candy, Gum, Drink mix packets, Instant coffee, Trail mix, Canned fruit
- **Hygiene Products** - Shower products, Shaving products, Cough drops, Foot powder, Tissues, Eye drops, Dark Color socks, Baby wipes, Antibacterial wipes, Chap stick, Foot ointment, Cough drops, Dental hygiene, Nail clippers
- **For our Military Women (no aerosol products)** - Tampons, Pads, Hair ties (brown/black), Bobby pins
- **Recreational Items** - Word games, Deflated balls with pump, Writing paper/pens, Magazines and books, Playing cards, Frisbees, Puzzles, Nerf balls



Thank you so much for your time and consideration in helping this great cause!

Jon A. Grigsby

EOC member at large, Skymasters RC



# Indoor flying

At Ultimate Soccer

*Click anywhere in the collage to view the entire photo album on the Skymasters web site*





# Christmas Party

*Click anywhere in the collage to view the entire photo album on the Skymasters web site*





# ***Its Membership Renewal Time!***

For those of you who haven't done so already, it is time for you to renew your Skymasters membership! It is fast, easy and convenient. You can renew online using PayPal, or credit card. If you prefer, you can print a renewal form and send along with a check to the address below. Visit us at [skymasters.org](http://skymasters.org) and go to the "Information" tab, followed by "Join or Renew Membership." As previously communicated, we have changed our membership renewal policy from a 'calendar year' membership to a '12 month membership' policy, like the AMA has already done. Our bylaws have been updated to reflect this new policy.

## ***How to Renew your Skymasters Membership***

As you have in the past, you have the option of renewing your Skymasters membership online at [www.skymasters.org](http://www.skymasters.org) (go to the "information" tab, or click "renew membership" in the upper left corner of the home page) using PayPal or credit card, or you can fill out & send an application (available to print from website or hard copy available from Membership Director) and personal check by mail, to the Membership Director.

## ***Skymasters Membership Fees***

We are holding steady with keeping the same membership fee schedule as we have for the past several years. □ Regular membership fee for members over 19 years of age is \$70.00, with an additional \$30.00 initiation fee in the first year of membership for new members.

Members up until age 19 are **FREE** and initiation fee is waived. (Note: AMA membership is also **FREE** up until age 19 with AMA magazine optional)

## ***Skymasters Membership Cards***

We are now encouraging Skymasters members to use the new self-service feature of printing their own membership card, through the Skymasters website. To print your own card after renewal, simply go to **Members > Skymasters Member Information > My Membership Card**. Once there, you can view / print your card. For those who would still prefer to have a card sent to them, or simply don't have the capability to print their own, a membership card can still be sent to you. By mid-February, I will determine which members have renewed online and have not printed their own card, and send them one. Also, anyone who renews by mail will automatically be sent a card once your membership has been processed, with mail-out beginning in mid-February.

## ***Welcome Your Friends & Family to our Meetings, Flying Field and Events!***

Invite your friends, family members, neighbors, work acquaintances or anyone of any age to our beautiful Bald Mountain State Park flying field, or to the Ultimate Soccer sessions in the winter months to see all types and sizes of radio-controlled model aircraft in action! Also, our bi-monthly meetings at the Orion Center (September- April) are a great way to meet and connect with members, learn new things from a variety of guest speakers, and see many interesting member projects. If you have any questions or problems with renewing your membership, contact me and I will be happy to assist.

Blue Skies,

**Phil Saunders**

**Skymasters Membership Director**

1690 Hillcrest Dr.

Rochester Hills, MI. 48306

(248) 459-9663

# Help Wanted:

Skymasters RC Club of Lake Orion is looking for people to fill several positions. Some long term some short term. Open positions available are:

**Staff Photographer:** work with Webmaster and Newsletter Editor to photograph club meetings and events and submit for publication and upload to the club website archive.

**Staff Writer:** need individuals who attend the many various Skymasters events, and document the event by writing an article for the club Newsletter the Skywriter. Writers don't need to attend everything and are welcome to contribute by writing some general interest articles also.

**PR/Promotions:** looking for Skymasters to help on promoting our upcoming summer events in various ways, such as distributing flyers and brochures in Lake Orion and surrounding communities. Looking for a few Skymasters who would sit at a table with a couple of display aircraft and give out brochures etc. (like outside of Kroger in Lake Orion etc.) a few days this summer.

**Grill Chef:** we are always looking for help to perform one of the most important tasks of our club... keep us well fed. Our Chief Cook, Bill Dezur is on sabbatical for some of our events this year we are looking to fill some key positions for some of our big events. Shift work available and you can eat for free. We will need help at our Sunday May 15 float fly and Wednesday June 15 fish fry as well as many other infrequent opportunities. Your help is appreciated.

**Sanitation Engineer:** keeping our flying field looking nice involves everyone's hard work constantly picking up around the field. We need someone or several people who will just take it upon themselves to just sweep the cement area under the pavilion as often as possible. Along with this task and also asked of all members is to take home the trash from the trash bins at least once per year. Anyone who is able to do this we are grateful to. Seems like a simple thing except when you show up at the field the morning of an event and both trash cans are overflowing. We need your help to keep the trash flowing! We have several places we can dump the bags of trash, locally, the problem is transporting them from the field to those dumpsters. Not all of us have trucks that can easily do this. Please do not try to take the trash home in your car or SUV even if you double bag it because it will leak.



**Watch for more Job Postings in the Skywriter**



# Indoor Electric Flying

## Every Tuesday



**At Ultimate Soccer Arenas**

**867 South Blvd., Pontiac MI 48341**

**Pilots - current AMA required. Visitors Welcomed.**

## **25 - 3hr. Sessions**

**75 Hours of Fun Flying**

***Season Pass - \$110 for all 25 winter sessions***

***That's less than \$1.50 per hr. Our Best Deal***

**5 Flying Sessions - Punch Card - \$35**

**That's \$7.00 per session**

**Single Sessions - \$10 at the door**

**[On-line registration is open now for Season Pass and Punch Cards !](#)**

## **SKYMASTERS**

**Would like to thank**



***For the finest indoor  
flying venue in Metro Detroit***





## Skymasters RC Club Presents

# BATTERY TECHNOLOGY AND MORE

*all things lithium and electrons-electronics and new battery technology in our RC hobbies. Andy Low of ElectroDynamics will be our guest presenter to share with us everything you ever wanted to know about Lipo; A123; LiFe; and all lithium based batteries we use in our aircraft.*

*Join our Skymasters bi-monthly (2nd & 4th Thurs) club meetings  
Open to the public—Coffee and Donuts provided  
Bring your work for show and tell—win a drawing!*



**Andy Low**  
**President-Owner of ElectroDynamics, Inc.**

Home of "No-Hassle" RC Electronics  
ED-Nano—Complete A123 battery systems everyone can enjoy!  
<http://www.electrodynam.com>

### **What:**

Skymasters RC Club Meeting

### **Who:**

Presenter: Andy Low, Owner, President ElectroDynamics, Inc.

### **When:**

Thursday January 12, 2016 — 6:45 p.m.

### **Where:**

Orion Center Room A—1335 Joslyn Road, Lake Orion, MI 48362



**ED** **ElectroDynamics**  
*& More!*  
ELECTRONICS FOR THE DISCERNING MODELER



[www.skymasters.org](http://www.skymasters.org)



# Skymasters R/C Club



## Indoor Electric Flying

At Ultimate Soccer Arenas 867 South Blvd., Pontiac, MI 48341

**Monday, Jan. 16th**

**from 10 AM to 1 PM for \$10**

Punch Cards & Season Pass Honored

**Martin Luther King Day**

NOTE: No flying on Tuesday, 1/17/17.



**MLK**  
Day



Support your local hobby shops:



All Pilots must have proof of current AMA Membership

See rules on our web site for size and weight limits.

For more information visit our web site at: [www.skymasters.org](http://www.skymasters.org)





Two Great Clubs, One Great Event!



# PMAc & SKYMASTERS SKYMASTERS & PMAc

## Swap Meet

9:00 a.m. – 1:00 p.m.  
Setup begins at 8:00 a.m.



### Saturday March 4, 2017

Design ~ ©George Dzahrstos 2016

**General Admission: \$5.00 | women children active military - free**  
coffee, donuts, lunch & refreshments available  
Handicapped accessible

Reserve Tables Here: [www.skymasters.org/register](http://www.skymasters.org/register)

Vendors & Table Rental email to:  
[swaptables@skymasters.org](mailto:swaptables@skymasters.org) OR [swaptables@pmac.org](mailto:swaptables@pmac.org)  
each table includes 1 admission | setup begins at 8:00 a.m.

Tables: \$20 main floor | \$25.00 outer wall

*GREAT NEW LOCATION!*

### St. George Church / Cultural Center

43816 Woodward Avenue – Bloomfield Hills, MI 48302



[WWW.SKYMASTERS.ORG](http://WWW.SKYMASTERS.ORG) • [WWW.PMAC.US](http://WWW.PMAC.US)



# 2017 CLUB EVENTS

SKYMASTERS RC CLUB – LAKE ORION, MI



## January 2017

## February 2017

## March 2017

Saturday March 4 – Swap Meet

## April 2017

Saturday April 22 – Involvement Day – Bald Mountain, Main Park

## May 2017

Saturday May 13 – Field Opening/Work Day – Scripps Road Flying Field; Lake Orion

Sunday May 21 – Spring Float Fly [Chet Brady] – Bald Mountain Trout Lake; Lake Orion

Wednesday May 31 – Student Flight Training & Potluck begins – Scripps Road Flying Field; Lake Orion

## June 2017

Wednesday June 14 – Fish Fry Dinner & Member Appreciation – Scripps Road Flying Field; Lake Orion

Saturday June 24-25 – Electric & Night Fly In – Scripps Road Flying Field; Lake Orion

## July 2017

Saturday July 15 – Open House - [Recreation 101] – Scripps Road Flying Field; Lake Orion

## August 2017

Sunday August 6 – Warbirds and Scale Fly In - Scripps Road Flying Field; Lake Orion

Sunday August 27 – Corn Roast and Top Gun Flying - Scripps Road Flying Field; Lake Orion

## September 2017

Sat & Sunday September 9-10 – Midwest Regional Float Fly – Island Lake State Park; Brighton

Saturday September 23 – SkyMasters Fun Fly - Scripps Road Flying Field; Lake Orion

## October 2017

Tuesday October 24 – Indoor Flying Season Begins – Ultimate Soccer Arenas; Auburn Hills

## November 2017

## December 2017

Thursday December 7 – Christmas Party – Orion Center; Lake Orion

Sunday December 31 – Krazy Snow Fly - Scripps Road Flying Field; Lake Orion

\*\*all dates subject to change – PLEASE always consult current information on website: [www.skymasters.org](http://www.skymasters.org)\*\*





# 2016-17 Board & Club Meetings

SKYMASTERS RC CLUB – LAKE ORION, MI



## October 2016

*Thursday October 6 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday October 13 – No Meeting*

*Thursday October 27 – Club Meeting Orion Center 6:45 p.m. – Room A*

## November 2016

*Thursday November 3 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday November 10 – Club Meeting Orion Center 6:45 p.m. – Room A \*[elections]*

## December 2016

*Thursday December 1 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday December 8th – Club Meeting Orion Center 6:45 p.m. – CHRISTMAS PARTY*

## January 2017

*Thursday January 5 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday January 12 – Club Meeting Orion Center 6:45 p.m. – Room A*

*Thursday January 26 – Club Meeting Orion Center 6:45 p.m. – Room A*

## February 2017

*Thursday February 2 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday February 9 – Club Meeting Orion Center 6:45 p.m. – Room A*

*Thursday February 23 – Club Meeting Orion Center 6:45 p.m. – Room A*

## March 2017

*Thursday March 2 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday March 9 – Club Meeting Orion Center 6:45 p.m. – Room A*

*Thursday March 23 – Club Meeting Orion Center 6:45 p.m. – Room A*

## April 2017

*Thursday April 6 – Board Meeting Orion Center 6:45 p.m. – Multi-purpose Room LL*

*Thursday April 13 – Club Meeting Orion Center 6:45 p.m. – Room A*

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[EOC/Board Meetings = 1<sup>st</sup> Thursday/Month | Club Meetings = 2<sup>nd</sup> & 4<sup>th</sup> Thursdays, typically]

Orion Center 1335 Joslyn Road – Lake Orion, MI 48360



# ON THE WING

## Skymasters Breakfast

*(Everyone is welcome)*

First and Third Monday of each month  
*through the summer... and beyond!*

9AM

Red Olive restaurant  
In the strip mall on Walton  
across from Crittenton Hospital  
Rochester MI

## Skymasters Indoor Flying

*We fly every Tuesday  
(Monday on MLK week)*

10AM to 1PM (Yes, three hours) at  
Ultimate Soccer, Opdyke and South Blvd

Pontiac, MI

AMA required

See the Skymasters web site for details

## *Next Skymasters Meetings:*

Thursday, January 12th and 26th

6:45PM

at the Orion Center, 1335 Joslyn Road

(on the east side of Joslyn, just south of Clarkston Road), Lake Orion, MI

Thursday the 12th features a presentation on Battery Technology by  
Andy Low from Electro Dynamics.

Thursday the 26th will be a "pack and wrap" for Troops Need Love Too.

## Other local area indoor flying sessions

### Premiere Sports Center

14901 23 mile, Shelby Twp, MI

(northwest corner of 23 mile and Hayes)

*Every Thursday, 9AM to 3PM*

Electric planes and helis (separate heli space)

\$10/session, AMA required

Info: Steve Durecki 586-246-4203 (text or voice)

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

### Legacy Center

9299 Goble Dr.

Brighton, MI 48139

(Off of Winans Lake Road, between Rickett Rd. and M23)

*Wednesdays 1PM-3PM November through March*

\$10/session

Sponsored by the Hamburg Flyers RC club

# January 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 Skymasters Breakfast 9AM Red Olive, Rochester Hills	3 Indoor Flying 10AM-1PM Ultimate Soccer Pontiac	4	5 Indoor Flying 9AM-3PM Premier Sports Center Shelby TWP	6	7
8	9	10 Indoor Flying 10AM-1PM Ultimate Soccer Pontiac	11	12 Indoor Flying 9AM-3PM Premier Sports Center Shelby TWP  Skymasters Meeting 6:45PM Orion Center	13	14
15	16 Skymasters Breakfast 9AM Red Olive, Rochester Hills  Indoor Flying 10AM-1PM Ultimate Soccer, Pontiac	17 We fly at Ultimate on MONDAY this week. No flying on Tuesday.	18	19 Indoor Flying 9AM-3PM Premier Sports Center Shelby TWP	20	21
22	23	24 Indoor Flying 10AM-1PM Ultimate Soccer Pontiac	25	26 Indoor Flying 9AM-3PM Premier Sports Center Shelby TWP  Skymasters Meeting 6:45PM Orion Center	27	28
29 RCCD Swap 9AM Warren MI	30	31 Indoor Flying 10AM-1PM Ultimate Soccer Pontiac				



# Skymasters Information...

[The Skymasters field is located in Lake Orion, within the Bald Mountain Recreational Area](#) on Scripps Road, between M24 and Joslyn (see map). A recreation passport or sticker is required and can be obtained from the Park Headquarters located on Greenshield Road or you can check the box on your tab renewal for a "Recreational Passport".

## Flying hours:

**QUIET ELECTRICS ONLY from 8AM to 10AM and 8PM to 10PM.**  
**The noise limit is 80dBa at ten feet.**

Regular flying is permitted between 10 AM to 8 PM. **The noise limit is 94 dBa at 10 feet.** These noise

limits are enforced.

**Wednesday evening (through August) is Family Night** with flying and a pot luck buffet. Bring something for the grill & a dish to pass.

**Wednesday 5PM to 8PM is also Student Night (through August)** Meet the instructors and arrange for more instruction time together on other days. Our Chief Flight Instructor is Ken Gutelius, 248-892-2943, cfi@skymasters.org

From June through August, club meetings are held at the field, on the second and fourth Wednesday of the month at 8 PM. A great chance to fly and socialize. **Winter meetings**

(September through May) are held at the Orion Center, 1335 Joslyn, in Lake Orion. Check the calendar here or on the [web site](#) for specifics. Bring a model for Show and Tell, enjoy coffee and donuts and listen to the speaker of the evening.

The Skywriter newsletter is available online at the Skymasters web site and is free to all. It may also be printed from the web site if desired. All contributions are welcome. Please send photos and articles to [newsletter@skymasters.org](mailto:newsletter@skymasters.org) If you know of anyone who may be interested in R/C Aviation, please give them a link to this newsletter or give them a copy of an AMA magazine. It may spark their interest!



## 2017 Club Officers & Appointees...

President:	Bob Chapdelaine	Oxford	president@skymasters.org
Vice Pres.:	John Billinger	Troy	vicepresident@skymasters.org
Secretary:	Pete Foss	Oxford	secretary@skymasters.org
Membership:	Phil Saunders	Rochester Hills	membership@skymasters.org
Editor:	Paul Goelz	Rochester Hills	newsletter@skymasters.org
Treasurer:	Jim Satawa	Lake Orion	treasurer@skymasters.org
CFI	Ken Gutelius	Lake Orion	cfi@skymasters.org
EOC at large	Jim Satawa	Lake Orion	at.large2@skymasters.org
EOC at large	Jon Grigsby	Ortonville	at.large3@skymasters.org
EOC at large	Paul Goelz	Rochester Hills	at.large1@skymasters.org

## Newsletter Submissions

Please send all articles, photos and announcements to the Skywriter editor at:

[newsletter@skymasters.org](mailto:newsletter@skymasters.org)  
 Deadline is the 20th of each month.

The Skywriter newsletter is published monthly by the Skymasters Radio Control Club of Michigan

[www.skymasters.org](http://www.skymasters.org)