

official digital newsletter of
Skywriter
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...

August, 2019



In this issue

Some Assembly Required . . .	3
Open House	10
Event Flyers and Announcements . . .	13-20
News	21
Calendar	22



It's another beautiful day at Skymasters! We've had some beautiful flying weather and I hope you've found your way out to the field and gotten many flights in.

August is a very busy month for our club and your help is needed. First weekend is our Annual **Warbirds and Scale** Event Sunday August 4th from 10-2p.m. See the fly in this newsletter and check the website for all the details. Don't miss this one.

The next weekend (Sunday August 11, 9-4 p.m.) in August Skymasters are needed to represent our club and our hobby at **Oakland County International Airport for their Open House and Air Show**. Along with the PMAC and RCCD clubs, we will be doing static displays and sharing the hobby with thousands of people that pass by the GRE (Ground Runup Enclosure) throughout the day. We also will be part of the Airshow in the afternoon, flying RC aircraft. Details of what help

(Continued on page 2)

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is needed have already been sent in an email.

Then Sunday August 18 is our **Family and Friends Corn Roast Potluck**. Beginning at 1:30 we'll have some of our hotshot pilots vying for the title of **Top Gun** to see who takes home the coveted title and Top Gun Trophy for Skymasters. Open Flying all day except during the Top Gun period. Ken Gutelius is our reigning champion!

Saturday, August 24, is PMAC's Flying Circus and can you believe that were just about a month away from our premier Midwest Regional Float Fly 2019! I hope you've registered and possibly gotten a campsite. Don't miss this event!

Congratulations to all our newly signed off pilots and welcome to all our new club members.

Our Wednesday Night Potlucks continue through this month. See you at the field!

Its another beautiful day at Skymasters!



Bob Chapdelaine

President, Skymasters RC

Upcoming 2019 events....

Club Corn Roast and Top Gun Competition - Sunday, August 18th

Midwest Regional Float Fly 2019 - September 6th, 7th & 8th

Have you reserved your campsite, made your reservation online, registered for

Front Cover

Opening ceremony at the 2019 Skymasters Open House

Bill Pesch photo

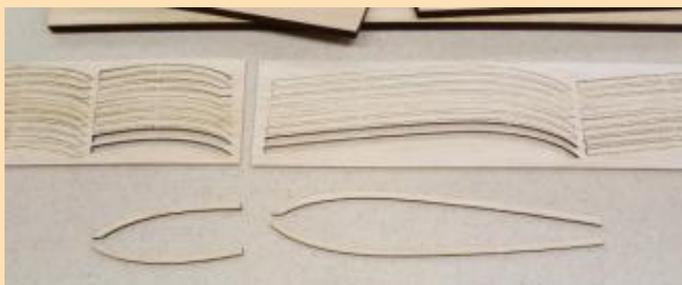
Cobra RG wing build



Those of you who read these articles regularly probably remember an article I did on building a Cobra control line model. That model was built using a wing design by the world champion Bill Werwage. You may also recall that the wing had a novel construction that Bill calls an "I"beamer. One of the unique features of the wing is that the ribs are narrow curved strips that are all identical and simply trimmed to the proper length to create the tapered wing. The result is a wing structure that is extremely light and fast to build. I now have quite a few flights on the Cobra and I find it to be an excellent flying world championship capable model (I can't fly it up to its capability, but I do my best). It is a beautiful model to see in the sky and I thought to myself that it would look even better with retractable landing gear. It is rare to see a precision aerobatic control line model with retractable landing gear for several reasons. First, the gear adds weight which prevents truly good fliers from extracting 10 10ths of the performance of the model. And second, precision aerobatic fliers do not have a means of actuating the retracts. Anyone who has seen my control line models know that they all have a radio controlled throttle so I can use the radio to work the gear as well. So that is the plan. The Bill Werwage original Cobra was a tail dragger like most control line models. But I built mine with tricycle landing gear to help deal with long grass. I will stick with that arrangement on this version.

The wing

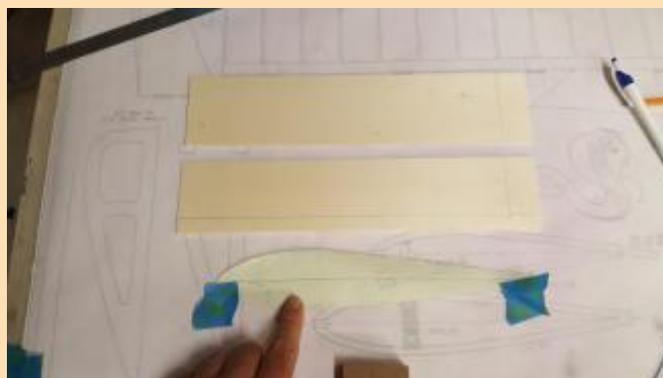
The last Cobra wing was built from a short kit that included laser cut rib segments.



Laser cut "I"beam wing rib segments.

Most "I" beam wing builders make their own rib segments using a fairly simple cutting jig which is the way I will go for this build. So first we will make the jig.

The first step is to make a paper template of the airfoil.



An airfoil template.

Next we want to transfer the top curve of the airfoil on to a piece of 1/8" plywood.



Airfoil template traced on a 1/8" piece of plywood.

Now, stack the template with another piece of 1/8" plywood and cut the two pieces together.

(Continued on page 4)

(Continued from page 3)



Template and stop blocks mounted on 1/4" plywood base.

I now glue the convex half of the template to the under side of another piece of 1/4" plywood. Align the template chord line with the top edge of the 1/4" plywood piece as shown below. Note that the 1/4" plywood piece is longer than the template. The ends will be pressed against the stop blocks when in use. If you have followed this, you can see that you now have a cutting guide that spaces two matching templates exactly 1/4" apart which will be the height of the rib segments.



Cutting the stacked plywood.

The result is a convex airfoil shape and a concave airfoil shape that have exactly the same curvature. I add a pair of 1/4" thick plywood guides on each end of the concave half of the template. In the picture below, the blue tape shows their location. They are spaced exactly 10-1/2" apart (the length of the rib segments we will be making) and are exactly parallel to one another.



Finished cutting guide.

To use the cutting guide, prepare balsa blanks from 3" wide sheet material. Cut the blanks to the length of your rib segments (10-1/2" in my case). Do this accurately as they must be a close fit between the side guides described above. You should be able to get 7 or 8 rib segments from one blank. To start, you must use the convex part of the cutting guide by itself to cut the shape into the top of the blank as shown in the picture

(Continued on page 5)



Inside and outside templates.

I now mount the inside half of the template on a piece of 1/4" plywood as shown below. I also add two stop blocks on the two side guides. The stop blocks are located 1/4" down from the leading and trailing edge points of the airfoil shape.

(Continued from page 4)

below.



Preparing the blank for making rib segments.

After making the preparatory cut, the blank will now nest perfectly into the concave part of the guide.



Prepared blank nested into guide.

At this point you place the convex part on the guide against the stops. This will allow you to use your xacto knife with a new #11 blade to cut a rib segment.



Cutting a rib segment with the guide.

Remove the rib segment and move the blank up against the concave part of the guide. It will nest perfectly.



Rib segment removed from cutting guide.

Repeat the cutting process until you have all of the necessary pieces. In my case I needed 64 full segments and 64 short segments for the intercostal ribs. The complete set of segments took just under an hour to make.



Finished rib segments.

Building the wing

This version of the wing will differ a bit from the earlier build since I need to provide a mount for the retractable gear units and add a short rear spar to carry the landing gear loads. I will also be notching the spars and trailing edge to aid in the rib segment alignment. I will be doing this notching on my table saw. I chose to make the rib segments out of 1/8" stock because I have a saw blade that cuts an 1/8" kerf.

To start, I cut the tapered spar blanks 1/4" taller so I will cut the notches 1/8" deep to accept the rib segments which are 1/4" tall. This will leave the tops of the rib 1/8" above the spar for a cleaner look when covered. To cut evenly spaced notches in the spar, I take a

(Continued on page 6)

(Continued from page 5)

scrap piece of wood and glue a 1/8" Square peg in a notch on one edge. I then clamp the piece of wood to the table saw miter guide so that the peg is exactly 1.5" (the rib spacing on this wing) from the center line of the blade. Next, I set the blade height to 1/8". Now I make a 1/8" notch in the end of the spar blank. Now you can use the miter guide to make the next slot in the spar. Repeat this for each rib location. Turn the spar over and make the slots on the other edge. Use exactly the same process to notch the 1/2" square (in this case) trailing edge.



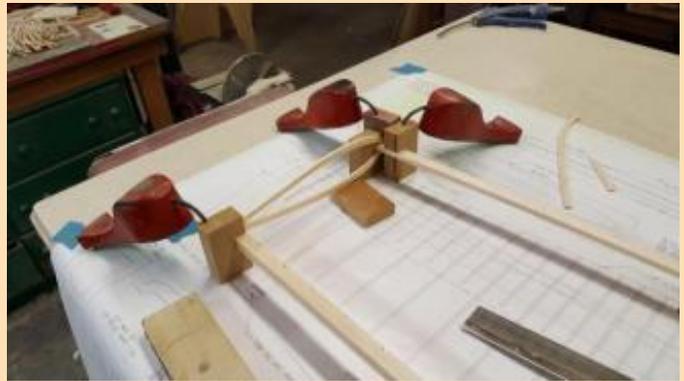
Notching the spar and trailing edge.

For this wing there is a 1/2" X 1/4" leading edge and a 1/2" x 1/2" trailing edge. Since this wing does not use traditional sheet ribs we cannot use the steel rod fixture I usually use. For the build fixture I made 6 blocks and made 1/2" by 1/2" notches in 3 of them and 1/2" by 1/4" notches in the other 3. The center of each notch is at the same height. These blocks are used to set the height of the leading and trailing edges above the work surface (which MUST be straight and flat). I start putting rib segments in place. Each segment is a different length because the wing is tapered. To get the correct length of each segment, I position it on the leading edge using a stop block and then lightly mark where the piece crosses the trailing edge. I then cut it 1/8" longer to fit into the notch in the trailing edge.



Marking and cutting a rib segment.

I start adding the rib segments at the wing tip and the wing root. I do this so that I can place the spars in their proper location and glue the joints.



First rib segments installed.



Spar is in place and rib segments are being added.

This process goes very fast. When you look at the pictures please note that I have not used a single pin to hold things together. I use wood blocks and weights only. Once all of the upper rib segments are installed and glued I turn the wing over and use the same alignment blocks to keep everything straight. I now add all of the bottom rib segments.



Adding the bottom side rib segments.

(Continued on page 7)

(Continued from page 6)

At this point I add the rear spar which has been notched just like the main spar.



Adding the rear spar.

I now made 2 landing gear mounting plates out of BIRCH plywood. The plates are notched and drilled to accept the gear. These are glued in place and plywood gussets are added to reinforce the connection to the spars. The remainder of the rib segments are now installed. At this point I realized that I did not notch the spars for the short intercostal ribs(grrrrr). Ok, not a big problem. I made a spacer to position a 1/8" thick coarse file in the center of the space between 2 ribs and manually filed in a 1/8" deep slot.



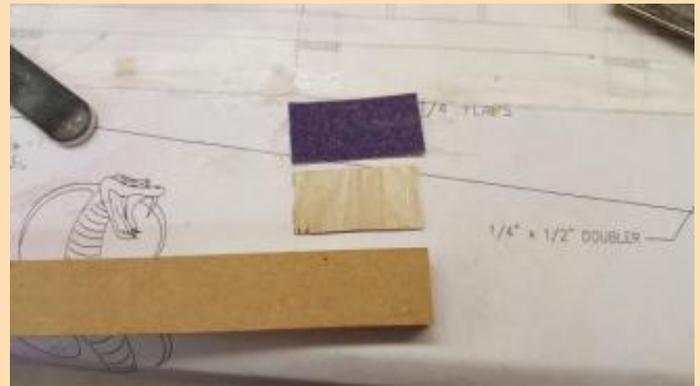
Adding intercostal rib slots.

After all of the intercostal ribs are installed I made and fit a balsa piece that will frame the opening for the landing gear struts and wheels. This requires trimming some of the rib segments.



Gear opening surround is added.

The original Cobra wing had a pair of 1/2" wide laser cut rib segments that were installed at the wing root to transition from the wing to the fuselage. To create the same transition I decided to add 1/16" sheet on the first two rib segments at the root end of the wing. This sheeting will be installed when the wing panels are married to the fuselage. I need to reduce the height of the 2 outer rib segments by 1/16" so that the sheeting surface will match with the other ribs. To do this I make a simple tool to sand the ribs down exactly 1/16". The tool is made by cutting a block of wood about 1" wide by 6" long and pieces of 40 grit sandpaper and a 1/32" plywood 1" wide and 2" long. These pieces are glued together to make a 1/16" offset sander.



Parts for an offset sander.



Offset sander tool.

The smooth part of the tool is run over the surface of the ribs that are not to be modified and the sandpaper portion is run over the ribs that are to be made 1/16" smaller.

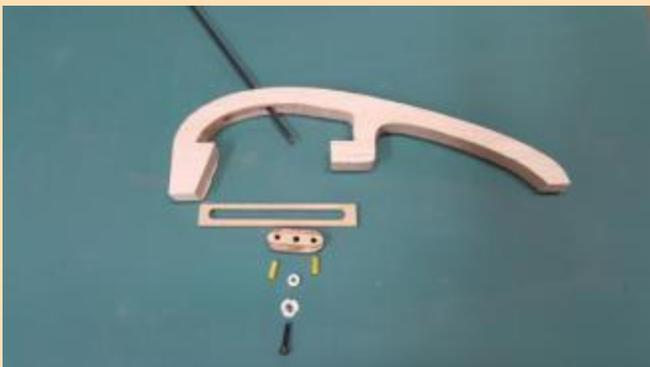
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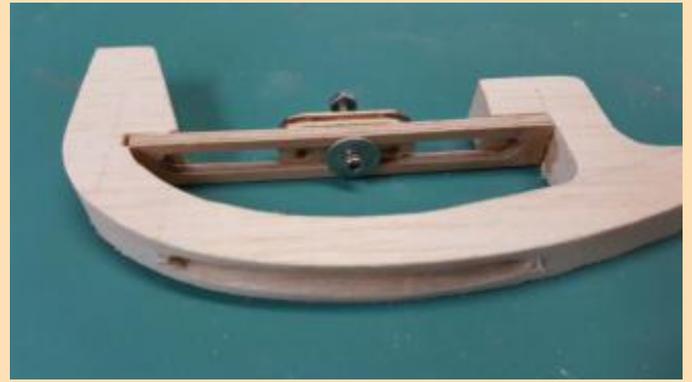


Sanding tool used to reduce the size of the 2 outer ribs.

In control line planes the place where the flying lines exit the wing tip is an important flight trim adjustment. To make that adjustable I made a sliding mechanism that is concealed inside of the left wing tip and I slotted the tip to clear the lead out lines. The mechanism is made of 1/8" plywood, A blind nut, a 4-40 bolt and 2 plastic wear guides made from pieces of Nyrod inner tubing.



Adjustable lead out guide parts.



Adjustable lead out guide installed.

Another thing that may need adjustment during flight trimming is the amount of weight in the outboard wing tip. This weight is used to offset the weight of the flying lines and keep the wing level. This weight is typically around 1 oz. Some expert precision aerobatic fliers claim that they can detect the effect of adding a gram of wing tip weight. To be able to adjust the weight I make a small removable panel on the bottom of the outboard wing tip.



Wing tip weight box opened. The initial 1 oz weight is visible.

(Continued on page 9)

(Continued from page 8)



Completed inner wing panel with retract installed.

The pair of wing panels with the gear installed weighs 7.9 oz.

So that's it for this month.

For next month we'll be building the fuselage with the nose wheel retract, the tail assembly and then marrying the wing panels to the fuselage.

I hope you enjoyed the article.

Steve Kretschmer



Wing tip weight box closed.

The final thing to do is to cut the leading edge, spars and trailing edge to the correct length. I did this on my table saw using the same wood blocks that I used to build the wing to keep things square and true during the cut.



Trimming the wing panel to the proper length.



Wing panel trimmed.

Skymasters Open House and Rec 101

July 13th

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



Five Minutes on Safety

Random Thoughts

Range check

- It is a good idea (that many of us ignore) to do a range check before each new flying session. A known good radio system can fail, and you never know when that might happen.

Prop safety

- ALWAYS treat the propeller on an electric aircraft like a loaded gun whenever the battery is connected.
- ALWAYS treat the propeller on a fuel powered aircraft with extreme respect when the engine is running. Take extra time to think it through when making any needle valve or engine adjustments with the engine running.
- ALWAYS make sure that any cords or cable (like remote glow starters and starter power cords) are well clear before starting the engine.

Throttle Hold switch

- ALWAYS program, understand and USE a throttle hold switch on your transmitter if the transmitter includes that function. A THROTTLE HOLD switch is different than a THROTTLE KILL switch and is useful on both fuel powered and electric aircraft.
- The THROTTLE HOLD switch locks the throttle channel to idle (fuel powered) or zero throttle (electric) and prevents the throttle from advancing unless the switch is placed in the "non-hold" position.

Battery disconnect

- Electric aircraft are MUCH safer if they are equipped with a master battery disconnect switch, accessible from the outside of the aircraft with all hatches closed / in place. The disconnect usually takes the form of a shorting plug that can be seen and when NOT inserted, you know for sure that the motor is disabled. This is even more important if the battery plug is not easily accessible in an emergency.

Taxi safely

- It is good practice when taxiing not to aim directly at an opening between flight stations. When taxiing back to the pits, I angle towards a flight station until I get close and then I taxi parallel to the flightline until I reach the opening where I am standing. While still aiming east or west (ie., NOT towards the pits) I shut the motor down and then carry or tail walk the aircraft back to the pits.

Help Wanted at Skymasters



Website Content Editor Updater

Looking for a club member who can keep our club website calendar and website events updated. Requires a little skill getting around but most of it is auto-

mated. Training provided and most of the information is provided for you to add to the site. If you are interested let Bob, club president or Greg, webmaster know.

Email: president@skymasters.org or webmasters@skymasters.org. Thanks!

Club Email System Notice

We have a great club email system. Just an FYI, when you have something to sell or list for sale (or looking for something) please use the

"classifieds@skymasters.org". I encourage use of this email mail list system. Our member to member email address "members@skymasters.org" is for general communications between our members. We have several other great email addresses (actually many) such as the "indoorfly@skymasters.org", floatfly@skymasters.org, and many other email lists that you may be on by default. For a complete list, [click this link](#) (you will need to log in with your Skymasters credentials to view the addresses). Each mail list has a specific purpose for our very active club and you'll see that the emails that come as official club communications, i.e. club leadership, event directors or club officers, etc. are marked that way... either way you have control over the emails you receive or don't want to receive... by going to your member profile in your Skymasters Profile and "edit my profile" and then "Edit Email Subscriptions/Options:" I would really advise you to NOT change these unless there is some problem. Email is the primary way we communicate what is happening in our club! NOTE: to communicate TO the club you must use the email address you registered with on the site. Also, it is great when you log into the Skymasters website too! www.skymasters.org.

Skymasters

Student Night and Pot Luck

Memorial Day to Labor Day

Every Wednesday at the Field

Flying & instruction any time but we eat at 6:00 p.m. For those participating we ask that you:

- Bring something for the grill – enough to at least feed you and your guests
- Bring a dish to pass (see notes below)
- Bring your own (non-alcoholic) beverage We eat at 6pm – rain or shine! The potluck is sustained by those participating, with no expense to the club.
- Something for the grill: The obvious choices are burgers, sausages/brats and hotdogs - but other alternatives are welcome. If you bring it - we will cook it! Already this year we have cooked pork tenderloin and chops, salmon, venison burgers and more. Don't forget the buns if appropriate for your contribution!

We start cooking about 5:30 - having grill items available by then helps us get everything ready on time.

Dish to pass: Don't know what to bring? Each week a board will be up listing supplies needed – from plates to condiments, charcoal, etc. Pick one of the needed items to bring instead! Not one to cook? A quick stop at local super-market deli for a side salad, or bakery for dessert always works.



2019



WARBIRDS & SCALE



Radio Control Model Aircraft

**OPEN TO
THE PUBLIC**

Air Show—Fly In

Skymasters RC Club Lake Orion, MI
Sunday August 4, 10:00 a.m.



Scripps Road Flying Field Part of Bald Mountain Recreation Area

~ 4 miles north of the Palace of Auburn Hills on West Scripps Road between Joslyn and M-24



- **Public Welcome** ○ **Food & Refreshments** ○ **No Landing Fees**
- **Flying Open to AMA Members** ○ **Plenty of Parking**
- **Pilot Prizes** ○ **Civilian & Military RC Scale Aircraft**
- **Restroom Available** ○ **AMA Sanctioned**

www.skymasters.org | email: warbirds@skymasters.org



2019 Skymasters Annual Corn Roast & Top Gun Sunday August 18, 2019

Lunch at Noon & Top Gun Contest Begins approx 1:30 pm

for the family
club provides: corn,
hot dogs, pop and wa-
ter—bring any sides
or desserts to share
and your place set-
ting



member
appreciation &
recognition
Top Gun Contest
rockets

delicious Oxford sweet corn... yummy!

Bring the whole family for a
Skymasters family corn roast.
open flying all day except during Top Gun.
who will win the newly re-designed
Skymasters Top Gun Trophy?



PMAC's FLYING CIRCUS



THE GOLDEN AGE OF FLIGHT

Aircraft from the 1900's up to 1939 are welcome

www.pmac.us



● Saturday August 24, 2019

● Vintage Era Scale Fly-in

● Public Welcome

● Flying open to All AMA members

● Pilot's Meeting 2:30pm

● Flying from 3pm - 8pm

● Pilot's Choice Awards

● Food & Refreshments

● Contact John Valencia @

valencia.johnf@gmail.com

● State Park Pass/Sticker Required



Save This Date

Sept. 6th, 7th & 8th 2019

Skymasters

Midwest Regional Float Fly

Seven Lakes State Park, Holly MI

- New Flying Friday from 11:AM* until 5:PM**
- Flying Saturday from 9:AM until 5:PM**
- Flying Sunday from 9:AM until 3:PM**

Register Online "NOW" at <http://www.skymasters.org> for \$25

Seven Lakes State Park has great camp sites.

Last year we had over 28 pilots camping at the park. Join the Fun!

Sites features: concrete trailer pads, 20/30 Amp, fire pits & clean restrooms. Another benefit is that registered pilots can fly with small electric planes in the evening at Sand Lake located in the camp ground.

For camping reservations call 1-800-447-2757

Note: If you register for a camp site you still have to register for the float fly.

DNR Recreational Passport & current AMA Required

* Friday Flying will begin after event setup has been completed.

** Weather permitting.



Skymasters

Midwest

Regional Float Fly

Sept. 6th, 7th & 8th 2019



Horizon – E-flite TURBO Timber 1.5m will be the Top Pilot Prize

Seven Lakes State Park, Holly MI

- **New Friday Flying from 11:AM* until 5:PM****
- **Saturday Flying from 9:AM until 5:PM****
- **Sunday Flying from 9:AM until 3:PM****

**The first 25 Pilots to register by mail or on-line will receive
an extra ticket for Top Pilot Prize**

To Register for the event go to <http://www.skymasters.org>

For camping reservations call 1-800-447-2757

DNR Recreational Passport & current AMA Required available on site

* Friday Flying will begin after event setup has been completed.

** Weather permitting.





2019 CLUB EVENTS

SKYMASTERS RC CLUB – LAKE ORION, MI



April 2019

Saturday April 27 — **Involvement Day** – Bald Mountain

May 2019

Saturday May 11 – **Field Opening/Work Day** – Scripps Road Flying Field; Lake Orion

Sunday May 19 — Chet Brady - **Spring Float Fly** – **Seven Lakes State Park, Holly MI**

Wednesday May 29 – **Student Flight Training & Potluck** begins – Scripps Road Flying Field

June 2019

Saturday June 8 — **Night Fly (evening)** – Scripps Road Flying Field; Lake Orion

Sunday Jun 9 – **Electric Fly** – Scripps Road Flying Field; Lake Orion

Saturday June 22 — **Control Line Fly In** – Scripps Road Flying Field; Lake Orion

July 2019

Saturday July 13 – **Open House - Recreation 101**– Scripps Road Flying Field

August 2019

Sunday August 4—**Warbirds and Scale Fly In** - Scripps Road Flying Field; Lake Orion

Sunday August 18—**Corn Roast and Top Gun Flying** - Scripps Road Flying Field; Lake Orion

September 2019

Sat. – Sun. September 7-8 - **Midwest Regional Float Fly** – Seven Lakes State Park Rec. Area, Holly

Saturday September 21- **Skymasters Fun Fly** - Scripps Road Flying Field; Lake Orion

October 2019

Indoor Flying Season Begins – Ultimate Soccer Arenas; Auburn Hills

December 2019

Christmas Party – Orion Center; Lake Orion

dates subject to change – PLEASE always consult current information on website: www.skymasters.org

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



Its Skymasters Student Night and Pot Luck Every Wednesday at the field! Flying & instruction any time but we eat at 6PM

For those participating we ask that you:

- Bring something for the grill - enough to at least feed you and your guests
- Bring a dish to pass (see notes below)
- Bring your own (non-alcoholic) beverage

We eat at 6pm - rain or shine! The potluck is sustained by those participating, with no expense to the club.

Something for the grill:

The obvious choices are burgers, sausages/brats and hotdogs - but other alternatives are welcome. If you bring it - we will cook it! Already this year we have cooked pork tenderloin and chops, salmon, venison burgers and more.

Don't forget the buns if appropriate for your contribution!

We start cooking about 5:30 - having grill items available by then helps us get everything ready on time.

Dish to pass: Don't know what to bring? Each week a board will be up listing supplies needed - from plates to condiments, charcoal, etc. Pick one of the needed items to bring instead!

Not one to cook? A quick stop at local supermarket deli for a side salad, or bakery for dessert always works.



August 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3 Saturday Breakfast 8:30AM Iris Café
4 Warbirds and Scale 10AM Scripps Field	5 Skymasters Breakfast 9AM Red Olive, Rochester Hills	6	7 Addison Oaks Float Fly 9AM Addison Oaks Student Night 5PM Scripps Field	8	9	10 Saturday Breakfast 8:30AM Iris Café
11 Oakland County Airport Air Show 10AM Pontiac Airport	12	13	14 Addison Oaks Float Fly 9AM Addison Oaks Student Night 5PM Scripps Field	15	16	17 Saturday Breakfast 8:30AM Iris Café
18 Corn Roast and Top Gun 12PM Scripps Field	19 Skymasters Breakfast 9AM Red Olive, Rochester Hills	20	21 Addison Oaks Float Fly 9AM Addison Oaks Student Night 5PM Scripps Field	22	23	24 Saturday Breakfast 8:30AM Iris Café PMAC Flying Circus 3PM PMAC
25 Wing-It Flying Competition 2PM Scripps Field	26	27	28 Addison Oaks Float Fly 9AM Addison Oaks Student Night 5PM Scripps Field	29	30	31 Saturday Breakfast 8:30AM Iris Café Gladwin Fly- in and Swap 10AM Gladwin

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.

Student Instruction & Pot Luck

Every Wednesday, May through September. Flying any time but we eat at 6:00 p.m. - rain or shine, literally! For those participating we ask that

you bring something for the grill - enough to feed (at least) you and your guests -OR- bring a dish to pass -OR- bring your own (non-alcoholic) beverage. **Something for the grill:** The obvious choices are burgers, sausages/brats and hotdogs - but other alternatives are welcome. If you bring it we will cook it! We've cooked pork tenderloin and chops, salmon, venison burgers, steaks and more. Don't forget the buns.

We start cooking about 5:30 p.m. - having grill items by then helps us get everything ready on time.

Potluck dish to pass: Don't know what to bring, working late? Each week we'll let you know what is needed for the next week from plates to condiments, charcoal, etc. **Pick one of the needed items to bring instead!** Not one to cook? A quick stop at local supermarket deli

for a side salad, or bakery for dessert always works!

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. 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 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!



2019 Club Officers & Appointees...

President:	Bob Chapdelaine	Oxford	president@skymasters.org
Vice Pres.:	John Billinger	Troy	vicepresident@skymasters.org
Secretary:	Phil Saunders	Rochester Hills	secretary@skymasters.org
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Newsletter Submissions

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

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