



### **Happy April!**

Whew the weather for March sure was interesting! We spent a lot of the month visiting Marquette in the Upper Peninsula and the temperature varied from -10 to 50 degrees!

We are currently planning to host the last club meeting for the spring on April 21 at the Oxford Township Community Center at Seymour Lake Park. Be ready to bring in your winter projects as we hold our annual In The Bones meeting! And no before you ask, it doesn't have to be an uncovered wooden airplane. Any new projects are welcome!

*(Continued on page 2)*



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Finally, we have extended the indoor flying two extra sessions on April 20 and 27<sup>th</sup>. Note all pilots will pay the \$10/session price since season passes are NOT valid for those extra dates. The relationship with UWM and Reimagine Recreation is very solid and we are already planning for next season of indoor flying.

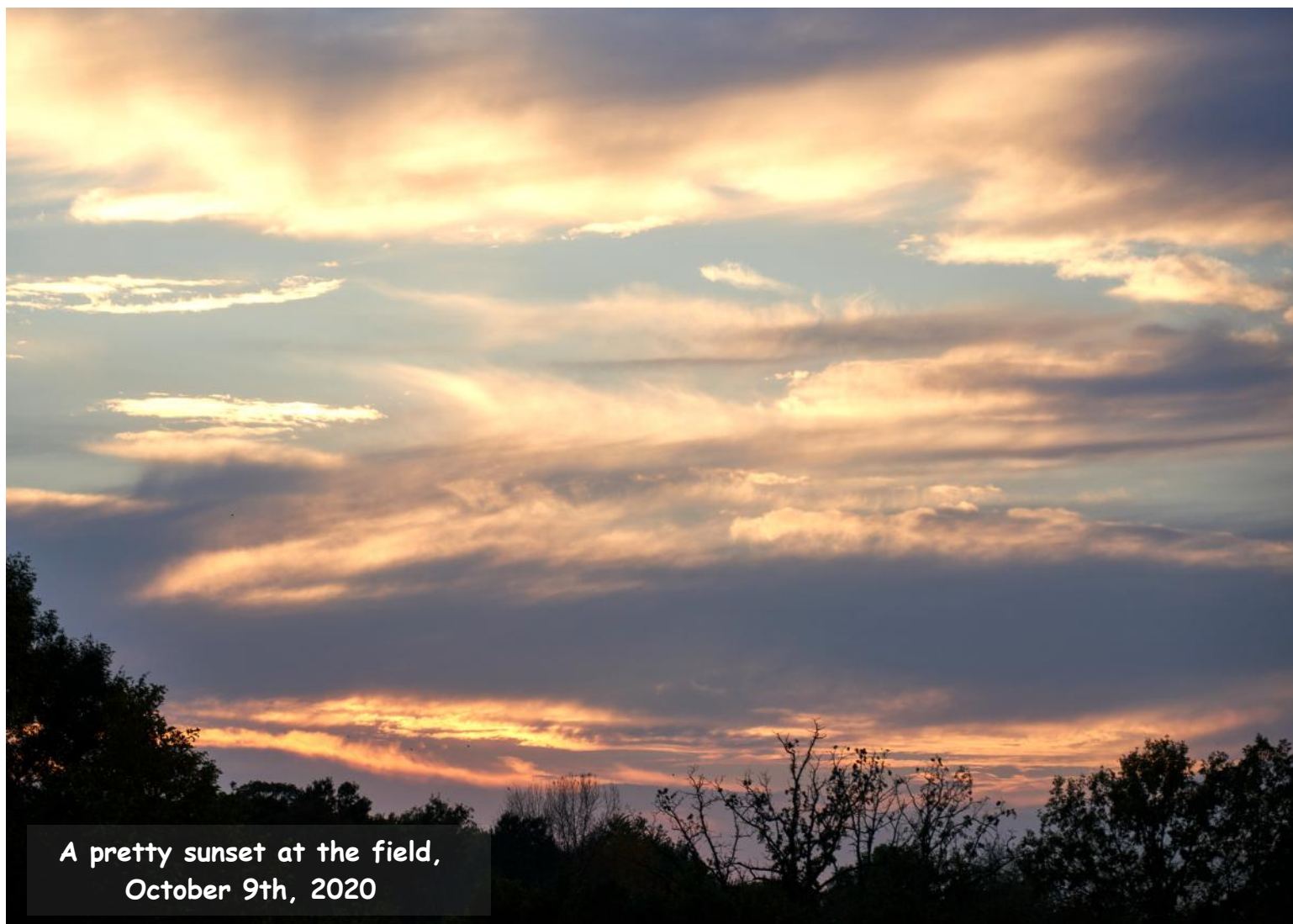
Fly Safe!

**Pete**

**Pete Foss, President**

**Skymasters RC**

[president@skymasters.org](mailto:president@skymasters.org)



A pretty sunset at the field,  
October 9th, 2020

**Front Cover**

One of four busy flight lines Wednesday morning at UWM Sports Arena

*Paul Goelz photo*



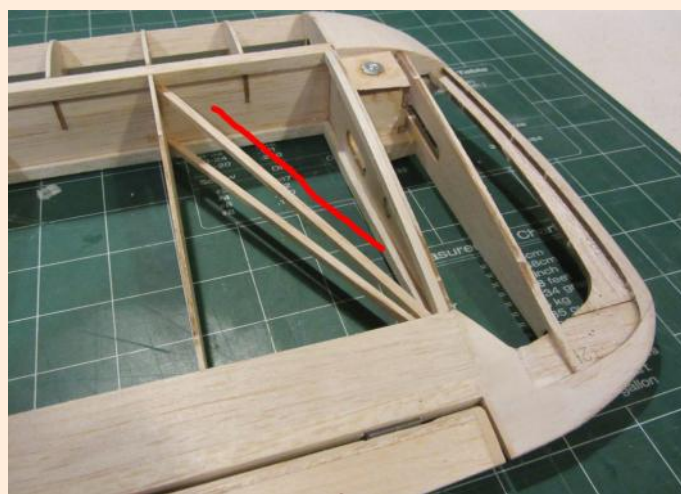
### It was bound to happen, just not this soon...

I used to visit Flightline twice a month; mostly to get the knick knacks I needed to keep a project going or simply to pick up a magazine; I was partial to Flying Scale Models. After John announced that he would be closing I made several trips to stock up on the basics, nuts and bolts, glue, balsa, covering material, etc. Although I never bothered to make a list, I felt that I had done a decent job of covering my building needs. Well, as it turns out, I had only managed to fool myself into thinking that I had. Barely a month later I realized that I did not have enough self-adhesive Velcro to prep a couple of new batteries. How rennoying as little miss Molly would say. I know that I can get what I need elsewhere but I will always miss the convenience of the shop as well as the experience.

### On the bench

The Shark is almost done; the model is now fully assembled, covered and ready for paint. Despite my best effort I was only partially successful in turning a simple build into an overly complicated one; from start to finish it only took a couple of months. In terms of effort and complexity it is roughly comparable to putting together a SIG 4 Star, a popular R/C model.

Once the wing was fully assembled, I noticed that it was not as stiff in torsion as I thought it should be. This is a common issue with an open bay structure and it stems from a lack of leading edge sheeting. The problem is easily noticed when you hold the wing by the tips and apply a little twist. To alleviate this a pair of small diagonal braces were added as shown below:



The braces tie the trailing edge to the spar and stiffen the structure for very little additional weight. These structures also gain stiffness from the covering material.

Now that the major components are done it is time to assemble the model. Aside from the time and effort spent building a straight wing this step is the one which will determine how well it flies: It is important to make sure that the wing and tail feathers are properly aligned with respect to the fuselage.

For me the first step in the assembly process is to set the alignment of the wing relative to the fuselage. In this instance alignment has two meanings; the first refers to the squareness of the wing relative to the fuselage and the other to its incidence relative to the datum.

Most of our models use symmetrical airfoils which in cannot generate lift if the angle of attack (i.e., incidence) relative to the wind is zero. As a result, it is not unusual for the wings in our models to use a small amount of positive incidence (leading edge up) of about  $+\frac{1}{2}$  degrees; the stab is generally set at 0 degrees. Both measurements are made relative to the datum. Most plans show this reference line.

For reasons which I do not understand, in C/L it is common to set the wing at 0 degrees of incidence and the stab at  $+\frac{1}{4}$  degrees. In essence you are building a slight amount of down trim into the model. I have tried it and it works but it is contrary to what I learned when setting up a model for R/C. C/L models have large control surfaces and groove better with a forward C.G.; maybe this is another way of improving stability.

### Using incidence meters

To make these small measurements an incidence meter or inclinometer is needed. I like the one made by Robart;

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it is mechanical (i.e., a pendulum) and very reliable.

A few years ago, I purchased a Hangar 9 digital incidence meter and found it to be unreliable; it was not the upgrade I was hoping for. The only short coming of the Robart meter is that its accuracy is limited to measurements within  $\frac{1}{2}$  a degree.

If you opt to use a digital meter you will want to check if it can measure angles consistently:

- Place the meter on a flat surface and note the reading.
- Rotate the meter so that it is facing away from you and note the reading once again.

The numeric values should be the same, one positive and the other negative. If the values do not match you can still use it but you need to be mindful that it does not measure absolute angles correctly.

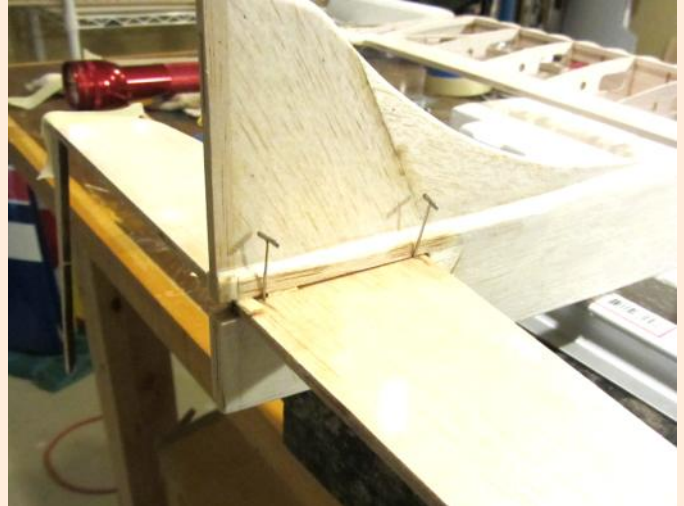
In my case I found that the meter could measure the angular difference between two surfaces correctly; however, the overall values were off. For example, if one surface was set at +2 degrees and the other at +4 degrees the meter would correctly indicate a difference of +2 degrees. The actual measurements might have been +1.8 and +3.8 degrees but the difference of +2 degrees was correct. If this is the case the meter is still a useful tool.

The trick is to have the meter always facing in the same direction: out of habit I have the meter facing towards the left wing tip even if I am measuring the stab or right wing panel.

The image below shows the meter being used to measure the incidence of the wing so that I can set-up the stab relative to it. The faint red line that you see is the laser line as a reference.



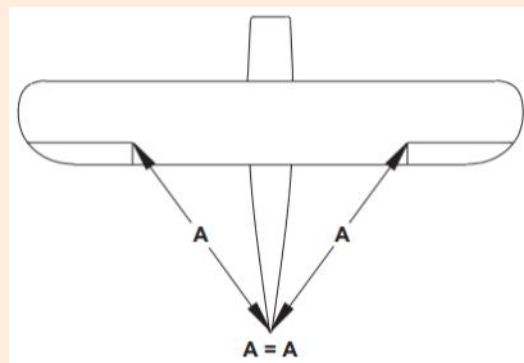
On a profile model it is difficult to change the incidence of the wing without enlarging the opening significantly, so I opted to set the stab relative to the wing. I used the incidence meter to determine a datum for the wing and then set the stab relative to it. As you can see from the image below, I had to shim the stab to achieve the proper angle.



If you look carefully, you will notice that I use pins to hold the parts in place so that they do not shift around.

Once the correct incidence is achieved the wing and stab must be set square against the fuselage before gluing them in place. This is a two step process as you need to make sure that everything is square when viewed from above as well as from behind.

To square up the wing or stab when viewed from above I use a string pinned to the centerline of either the tail post (for wing alignment) or firewall (for stab alignment). The string is used to measure the distance from the reference point to the tip of the surface being aligned. As a rule of thumb, the longer the distance between the two points the more accurate the alignment will be as it minimizes measurement error. Once the left and right measurements are identical the panel is properly aligned:



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Setting the wing and tailplanes to be aligned with the fuselage in the vertical direction when viewed from behind is a little more difficult. For many years I simply eyeballed the alignment, but this is not the best approach. If you can afford it, I would suggest acquiring a laser level; it is also extremely useful around the house. The one I use is made by Bosh and it projects a vertical as well as a horizontal line.

#### Using a laser level:

I usually align the wing and stab to the fuselage at the same time. This can be a little tricky as the stab generally sits a little higher than the wing when viewed from behind. The opposite is true if building a high wing model such as a Piper Cub. As a work around I hang a pair of sticks off the stab so that the laser line projects onto them as well as onto the wing's trailing edge as shown below.



Once the components are aligned, I tack glue them in place using a drop of CA here and there and then re-check everything to make sure that nothing shifted. Once satisfied I epoxy the components in place. You can save a little weight by adding micro balloons to the epoxy. Doing this has the added benefit of making the epoxy a little easier to sand. I always allow the epoxy to set overnight; I just want to be sure that it is fully hardened before I handle the model once again.

At this stage of the build this is what the model looks like fully assembled:



#### Making CF pushrods:

I have been using CF tubes to make pushrods for some time; they are reasonably light and a lot stiffer than piano wire or wood dowels.

For the Shark I opted to use 2/56" hardware. For larger models you could use 4/40" hardware.

I always keep a small supply of CF tubes of different size on hand for this purpose. Unfortunately, I do not recall what size tube I used in this case. I never really paid attention to the tube's dimensions as I would simply go to the hobby shop and select what would work.

The first step in the process is to slide a small balsa plug into the end of the CF tube. This will keep the epoxy from running down the inside of the tube.



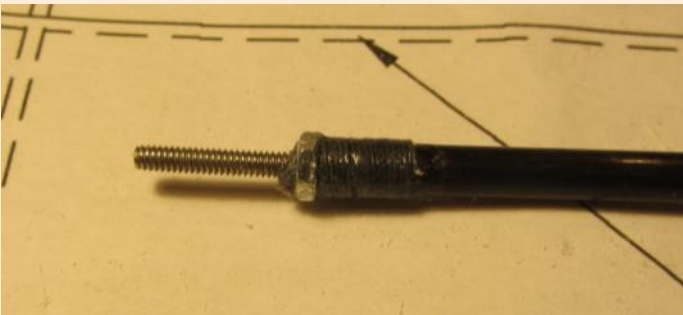
To set the depth of the plug I use the threaded adapter to push the plug in. The adapter is made from a length of threaded rod with a nut set roughly in the middle. I use CA to hold the nut in place.

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The next step is to glue the adapter in place. I have had good luck using 30 minute epoxy although some prefer to use JB weld.



After the epoxy sets I wrap the end of the CF tube with strong sewing thread and coat it with CA. The thread wrap is intended to keep the end of the of the CF tube from splitting open under load.

To complete the pushrod you repeat the process at the other end. Adding the second adapter closes off the tube which traps the air within. When adding the second adapter make sure to tape it in place while the epoxy sets; if not, the trapped air will try to push out.

Finally, it is always a good idea to dry fit the adapters, CF tube and clevises to make sure that the pushrod is of the right length. If you are off slightly it is easy to shorten an adapter or make a new one if a little extra length is needed.

**Teo Terry**



# Indoor flying at UWM (formerly Ultimate Soccer)

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





# The Cloudbusters & The Balsa-Bugs Present The 2022



# Indoor Flying

An AMA Sanctioned Class AA Contest  
AMA Category III Ceiling

**Saturday, April 30, 2022**  
**Relmagine Recreation**

867 South Blvd E, Pontiac MI

**Entry Fees:**  
\$40.<sup>00</sup>

Special Entry Fee! { Junior Entrants  
\$1.<sup>00</sup>

**Spectators – FREE!**

Pre Entries Send Check or Money order to  
Mike Welshans  
Cloudbuster's MAC  
976 Pearson,  
Ferndale, MI 48220

**Flying**

**9:00AM- 5:00PM\***

**Flying Floor split in half.**

South End for FAC – North End for AMA\*

**Contest Director**

Mike Welshans 248-545-7601

Mbwelshans@aol.com

**Event Managers**

FAC- Ron Joyal 586-727-3012

grjoyal@yahoo.com

AMA - Paul Crowley 586-294-1236

usa2298@comcast.net

## AMA EVENTS

Standard Cat Glider	218
Unlimited Cat Glider	219
Hand Launched Glider	212
Limited Penny Plane	208
Penny Plane	207
F1L Easy B	217
Mini Stick	220
Inter Stick	202
F1D (no rounds)	203
All Events Flown to Current AMA Rulebook	

## Phantom Flash kits

### And other Model Airplane Goodies

Available at

Prop Shop Hobbies, Inc. – "Your Complete Model Shop"  
23326 Van Dyke Ave. Warren, MI 48089  
586-757-7160 propshophobbies.com

Carlton Hobbies – "We make hobbies affordable"  
8194 Cooley Lake Road  
White Lake, MI 48386  
248-360-4910 carltonhobbies.com

Retro RC – Vintage & Retro Model Aeroplane Kits  
PO Box 198 Keego Harbor, MI 48320  
248-212-9666 – retrorcus.com

Volare Products

269-339-9795 volareproducts.com

## FAC EVENTS

- 1 FAC Peanut Scale
- 2 FAC Scale
- 13 FAC Golden Age Monoplane
- 32 FAC Dime Scale
- 33 FAC NoCal
- 34 FAC Phantom Flash
- 35 FAC Embryo
- 45 FAC WW-II ML
- Comet 5¢ Scale  
no 20 sec minimum (Kanone)
- Comet 20" Dimers (Kanone)
- WW-II NoCal ML (Kanone)
- GA Racer NoCal ML (Kanone)
- All FAC Events flown to Current FAC Rules
- NoCal ML Events - 6.2 gram min. Prop 7" max.

See Registration Form for map to site and details of events.



A wonderful site with a 72' center ceiling and 40' at the walls.  
The Arena is on South Blvd. E. (20 Mile Rd.) just west of Opdyke Rd. on the northwest corner.  
Food Services on Site.  
Floor area is equal to a full size soccer field plus!  
Eight AMA CATEGORY III Records Were Set Here in 2012!



# Toledo Swap and indoor fun fly

April 1st and 2nd

Last year, the first annual Toledo R/C Swap Meet & EXPO took place at the SeaGate Centre in Toledo, OH. This was organized by a small group of hobbyists from the surrounding areas. Well...it turned out pretty darn good! THERE WERE OVER 350 TABLES SOLD and over 1300 IN ATTENDANCE! **We would love for you to consider attending this well-known, two-day experience, which takes place on Friday, April 1st (9 AM - 5 PM) and Saturday, April 2nd, 2022 (9 AM - 3 PM).** We are looking for both those who want to purchase a table(s) and sell and those who want to stop by, shop a bit, and enjoy the great food and conversation! Commercial manufacturers, businesses, and vendors are welcome also! There will be 50/50 and R/C related merchandise raffles on both Friday and Saturday. Concessions will be offered by the Seagate Convention Centre, and there is an ATM located on site.

The following is a list of businesses and organizations that have already purchased premium booths and will be in attendance: HobbyKing, Buddy's RC, OMP Hobby, SunnySky USA, MPI, Ritch's Brew, Willy Nillies, TGK Connectors, WIND Catcher R/C, EZ Build (formerly Lazer Toys), Innov8tive Designs, Warbird Pilots, Rabid Models, HyperBond, Sky Bench Aerotech, The T-Shirt Guy, National Balsa, Micro Fasteners, RCBearings.com, B & B Specialties, Carolina Custom Kits, Zap (distributed by Robart), Team KNK Hardware, Metal Aviation, Hank's Hobby Hangar, Hobby Liquidators, Venture Out, MECA (Model Aircraft Collectors Association), Maumee Valley Scale Boat Club, NASA (National Association of Scale Aeromodelers) and the AMA. I will send an email with an updated list the last week in April.

If you want to pick up some Ritch's Brew fuel, please pre-order by calling 713-661-5458. This will help them determine what to bring.

**Highlights this year include a 2-Day Indoor Fun-Fly (starting at 11 AM Friday and Saturday), the AMA Flight Simulator Trailer, and of course the Auction (starting at 3 PM on Saturday)**

Once again, we have engaged in a marketing and media blitz that includes emails being sent to all AMA clubs located within 200 miles of Toledo and moderating multiple digital threads and forums on R/C Groups, Flying Giants and Facebook. You will find featured articles on R/C Groups and Flying Giants, and we have purchased large digital ad banners on those same sites. Finally, we have purchased a full page ad in this month's issue of Model Aviation.

We have worked with the Renaissance Toledo Downtown Hotel and are happy to announce that they will be offering a block of rooms at a discounted price! These rooms need to be booked by March 15, 2022. Click the following link which will assist in your reservation: Book your group rate for Toledo R/C Swap Meeting Room Block [marriott.com]

[For Registration forms as well as additional vendor information, click this link.](#)

We would love to see you there!

Henry "Hank" Rauhaus



# Skymasters



## *Indoor Flying/Driving\**



**Join us Wednesday's \*\***

**from 10:AM-1:PM**

**On Field #4 at the**

**UWM Sports Complex**



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

**Oct. 20<sup>th</sup> thru Apr. 13<sup>th</sup>\*\***

Single Session \$10 pay at the door  
Session Season Pass - \$150

All Pilots/Drivers must have proof of current AMA Membership  
A Special 3 Month Trial AMA Membership Application is Available

**SPECIAL NOTE.....**

**UWM has agreed to extend the flying season through April 27th.**

**Season passes are good through April 13th.**

**April 20th and 27th are \$10 per session, paid at the door**

**Subject to Change with out notice.**

**UWMSC closed Wed. Dec. 29<sup>th</sup>.**

**All Pilots can Register Online now at:**  
**[www.Skymasters.org](http://www.Skymasters.org)**



# **"SKYMASTERS" INDOOR FLYING**

## **At UWM Sports Complex Field #4**

*For the 2020-2021 Winter Season\**

### **OCTOBER:**

Wed. 20<sup>th</sup>

Wed. 27<sup>th</sup>

Flying sessions start at 10 am and end at 1: PM \*

**Please Bring Proper Change For Payment.**

### **NOVEMBER:**

Wed. 3<sup>rd</sup>

Wed. 10<sup>th</sup>

Wed. 17<sup>th</sup>

Wed. 24<sup>th</sup>

### **FEBRUARY:**

Wed. 2<sup>nd</sup>

Wed. 9<sup>th</sup>

Wed. 16<sup>th</sup>

Wed. 23<sup>rd</sup>

Wed. 30<sup>th</sup>

### **SPECIAL NOTE.....**

**UWM has agreed to extend the flying season through April 27<sup>th</sup>.**

**Season passes are good through April 13<sup>th</sup>.**

**April 20<sup>th</sup> and 27<sup>th</sup> are \$10 per session, paid at the door**

Wed. 29<sup>th</sup> CLOSED

Wed. 16<sup>th</sup>

Wed. 23<sup>th</sup>

Wed. 30<sup>th</sup>

### **JANUARY:**

Wed. 5<sup>th</sup>

Wed. 12<sup>th</sup>

Wed. 19<sup>th</sup>

Wed. 26<sup>th</sup>

### **APRIL**

Wed. 6<sup>th</sup>

Wed. 13<sup>th</sup>

**\* *Dates & Times Subject to Change or Cancellation Without Notice***

**All pilots/drivers and spectators must sign a Responsibility and Release Agreement Waiver,**

**AMA Youth must be have a parent or legal guardian sign the form.**

**Schedule, Rules, and Waiver available on line at [www.Skymasters.org](http://www.Skymasters.org)**

**You can contact the Event Director at: [Indoorfly@Skymasters.org](mailto:Indoorfly@Skymasters.org)**





**30th  
ANNUAL**

# FLINT'S R/C SWAP MEET

SPONSORED BY  
The Flying Aces R/C  
Club  
Swartz Creek, MI

**OVER  
120 Tables  
Available**

**DEALERS  
WELCOME**

**SUNDAY**

**April 3, 2022**

**Public Admitted At  
9 AM until 12 PM**

**LAKE FENTON HIGH SCHOOL**

4070 Lahring Rd, Linden, MI 48451

42° 51' 32"N 83° 45' 5"W

**SEE MAP BELOW AND CHECK OUT OUR WEB SITE**

**[WWW.RCFLYINGACES.COM](http://WWW.RCFLYINGACES.COM)**

**FOR DETAILED DIRECTIONS**

**CONCESSION UNAVAILABLE BECAUSE of COVID**

► Airplanes

50/50 Drawings

Helicopters ◀

► Kits

Door Prizes

Gliders ◀

► Boats

Supplies

Cars ◀

**COFFEE WILL BE AVAILABLE**

**ADVANCE TABLE REGISTRATION \$20.00, INCLUDES ONE ADMISSION. (IF RECEIVED  
BY MAR. 30, 2022). EACH ADDITIONAL TABLE IS \$12.00.**

**TABLES AT THE DOOR \$22.00**

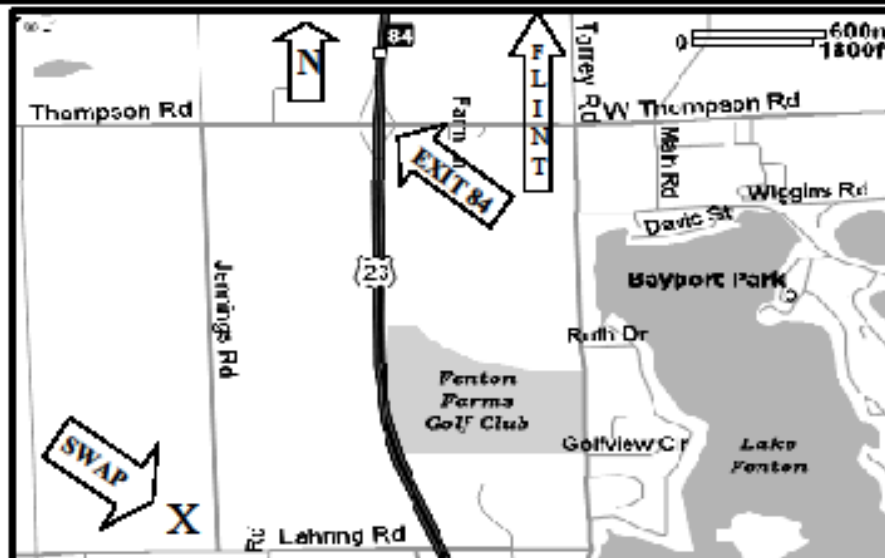
**ADMISSION FOR EACH ADULT \$5.00; 17 AND UNDER \$1.00.**

**ACTIVE MILITARY ID and LADIES ADMITTED FREE.**



**Advanced Table Registration  
Make Checks Payable To:  
The Flying Aces R/C Club Inc.  
Mail to:**

**Flying Aces R/C Club Inc.  
6184 King Arthur Dr.  
Swartz Creek, MI 48473  
For Info. & Table reservations:  
Call Bill Gerald Cell 810-845-3007  
Set-up 8:00 AM Reserved tables will be  
held until 9:00 AM. Then released to  
be issued as unreserved  
General Information ONLY:  
Steve Polen 810-730-3533**



# ON THE WING

**The Retirees and  
Wannabes Breakfast  
At Ram's Horn  
(new location)**

**9AM, 1st and 3rd Mondays**  
1990 Rochester Road,  
Rochester Hills

**Skymasters Breakfast  
At the Orion Grill**

**(new name, same place)**

3667 Baldwin Rd  
Orion Charter Township

## **Indoor Flying at UWM Sports Complex (formerly Ultimate Soccer)**

**(AMA required - See flyer in this issue for more info)**

Every **Wednesday** (note new day) through **April 27th**  
**10AM — 1PM**

UWM Sports Complex field #1, in the rear of the complex  
Park and enter in the back

867 South Blvd E, Pontiac, MI 48341  
(North off of Auburn, west of Opdyke. Click this link for a map)



## **Other local area indoor flying**

**Premiere Sports Center**

14901 23 mile, Shelby Twp, MI  
(northwest corner of 23 mile and Hayes)

**Every Thursday through April, 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 12:30PM—2:33PM November  
through March**

\$10/session

Sponsored by the Hamburg Flyers RC club



# April 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 Toledo Swap and FunFly Seagate Center	2 Toledo Swap and FunFly Seagate Center  Breakfast 8:30AM Orion Grill (Formerly the Iris Café)
3	4 Skymasters Breakfast 9AM Ram's Horn	5	6 Indoor Flying 10AM UWM Sports Complex (formerly Ulti- mate Soccer)	7 Indoor Flying 9AM—3PM Premiere Sports Shelby Twp	8	9 Breakfast 8:30AM Orion Grill (Formerly the Iris Café)
10	11	12	13 Indoor Flying 10AM UWM Sports Complex (formerly Ulti- mate Soccer)	14 Indoor Flying 9AM—3PM Premiere Sports Shelby Twp	15	16 Breakfast 8:30AM Orion Grill (Formerly the Iris Café)
17	18 Skymasters Breakfast 9AM Ram's Horn	19	20 Indoor Flying 10AM UWM Sports Complex (formerly Ulti- mate Soccer)	21 Indoor Flying 9AM—3PM Premiere Sports Shelby Twp	22	23 Breakfast 8:30AM Orion Grill (Formerly the Iris Café)
24	25	26	27 Indoor Flying 10AM UWM Sports Complex (formerly Ulti- mate Soccer)	28 Indoor Flying 9AM—3PM Premiere Sports Shelby Twp	29	30 Breakfast 8:30AM Orion Grill (Formerly the Iris Café)  Cloudbusters Indoor Fling 9AM—5PM UWM Sports Complex (formerly Ultimate Soccer)

# 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 Night & 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](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!



## 2020 Club Officers & Appointees...

President:	Pete Foss	Oxford	<a href="mailto:president@skymasters.org">president@skymasters.org</a>
Vice Pres.:	John Billinger	Troy	<a href="mailto:vicepresident@skymasters.org">vicepresident@skymasters.org</a>
Secretary:	Phil Saunders	Rochester Hills	<a href="mailto:secretary@skymasters.org">secretary@skymasters.org</a>
Treasurer:	Kurt Kettler	Lake Orion	<a href="mailto:treasurer@skymasters.org">treasurer@skymasters.org</a>
EOC at large	Paul Goelz	Rochester Hills	<a href="mailto:at.large3@skymasters.org">at.large3@skymasters.org</a>
EOC at large	Joe Rubenstien	Oxford	<a href="mailto:at.large2@skymasters.org">at.large2@skymasters.org</a>
EOC at large	Steve Kretschmer	Oakland	<a href="mailto:at.large1@skymasters.org">at.large1@skymasters.org</a>
Membership:	Joe Rubenstein	Oxford	<a href="mailto:membership@skymasters.org">membership@skymasters.org</a>
Editor:	Paul Goelz	Rochester Hills	<a href="mailto:newsletter@skymasters.org">newsletter@skymasters.org</a>
CFI	Ken Gutelius	Lake Orion	<a href="mailto:cfi@skymasters.org">cfi@skymasters.org</a>
CSO	Greg Brausa	Metamora	<a href="mailto:cso@skymasters.org">cso@skymasters.org</a>

## 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 bi-monthly by the Skymasters Radio Control Club of Michigan

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