

the

# Monitor

February

The MRCS Officers

2024

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**Newsletter Editor:**

Ken Myers

**Next Meeting: Date:** Wednesday, Feb. 7, 2024

**Time:** 7:30 p.m. FBO at Mettetal Airport

**What's In This Issue:**

Fall/Winter/Early Spring Meeting Reminder - The January 2024 Meeting  
¼ scale Marquart Charger Sold at the Swap Shop Note - Wing Cube Loading - Upcoming RCCD Swap  
Meet - Indoor Flying Brighton Info - Indoor Flying Pontiac Info - Upcoming Events

## Fall/Winter/Early Spring Meeting Reminder

Our fall, winter and early spring meetings are held at the fixed-based operator (FBO) building at Mettetal Airport.

Canton–Plymouth Mettetal Airport is a public use airport located in Canton Township, Michigan, United States. The airport lies two nautical miles south of the central business district of Plymouth, in Wayne County. The airport is owned and operated by the Michigan Department of Transportation.

**Address:** 8550 N Lilley Rd, Canton, MI 48187

Please check your email and the club Website, as the tentative date approaches, for possible last minute changes.

The FBO is the white building that is located closer to the runway than the EAA building near the entrance.

## The January 2024 Meeting

The Wednesday, January 10th meeting had been postponed from January 3rd.

**Ken Myers**, Midwest vice-president, started the meeting at 7:30 p.m.

**Dave Stacer**, club treasurer, presented the annual year end financial report.

He noted that report was almost the same as 2022, but fewer paid members, 37.

**Lynn Morgan**, club secretary, said that Dave was correct, but we also have 8 life members, for a total of 45 members.

The annual swap did a little better this year.

Dave also noted that we did end the 2023 physical, not the correct spelling, year in the black, while last we did not. We use the physical year for our accounting and not the fiscal year.

If you have any questions about our finances, please contact Dave.

Thanks Dave for the great job you do!

Ken brought up the topic of our annual dinner. He noted that no one had yet

volunteered to be the go between between for a restaurant and our club. Ken called for any volunteers from those present at the meeting. There were no volunteers. The topic was tabled until next month.

Ken brought up the topic of a shelter for the flying field. He stated that he would support any decision, financially, made by the club, but he had doubts as to whether it would be worth the now approaching cost of \$3000, installed.

There was quite a bit of discussion, but one underlying point is that no one really wanted to install it. That was mainly because of age and ability, and not because they were not in favor of the idea.

The idea was tabled for further discussion at a later date.

We thought this might be a good topic for one of Greg's famous polls.

There was quite a discussion regarding F3P planes, as Lynn is currently building and flying one.

If you are not familiar with F3P, it is "pattern" flying indoors.

This YouTube video, "F3P Indoor flying championships | 3D flying" gives an idea as to what F3P is all about.

[https://youtu.be/SuzZiQ\\_QdUk](https://youtu.be/SuzZiQ_QdUk)

Joe Malinchak's "Micro R/C Table Top Runway" YouTube video was shown to the wonderment of the members.

<https://youtu.be/Bjx23VDmJ7E>

The meeting broke up about 9:00 p.m.

### **A Note About Contacting Ken Myers**

It is best to contact me by my phone number or my email address. My home phone doesn't do text, so please don't send text to my home phone, as I won't get it.

### **¼ scale Marquart Charger Sold at the Northville Swap Shop Note**

From Joe Hass via email

Someone bought a ¼ scale Marquart Charger from Jim Lapham at the Midwest Swap Shop.

Jim has a number of parts for the airplane (N Struts, plans, pictures, etc.). If you purchased it or know who did Jim can be reached at 248-342-5405.

Thanks.

Joe Hass

## **Wing Cube Loading**

By Ken Myers

Wing Cube Loading (WCL), which is sometimes noted as Cubic Wing Loading (CWL), is a means to identify how a plane, with a certain weight and wing area, might fly compared to other planes with different weights and wing areas.

I recently came across two recent YouTube videos on this topic, although I have been using it for many decades.

Wing Cub Loading

The TRUTH About Wing Cube Loading

<https://youtu.be/3QTsjnZl6c>

RC Airplane Cube Wing Loading for Dummies!

<https://youtu.be/XUDjkpfVOQU>

The formula used for a WCL value has no direct relationship to the actual wing volume. It is just another useful means to determine the flyability of an unknown plane.

The formula: the value for the weight in oz. divided by the wing area in square feet raised to the 1.5 power

THE UNIT VALUES ARE NOT NECESSARY AS THE RESULT HAS NO UNIT VALUE, BUT IT STILL PRODUCES A USEFUL COMPARATIVE NUMBER!

Example: 60 oz. and 576 sq.in.

$576 / 144 = 4$

$4^{1.5} = 8$

$60 / 8 = 7.5$

Using a WCL chart, the 7.5 value indicates that the plane would have a flyability similar to sport types, many biplanes, light type scale, some 3D planes, and pattern. The greatest number of RC planes are found in this category. Avg. WCL is 8.51 for electric, and 8.60 internal combustion planes.

To understand more about WCL/CWL, I have several articles regarding it, and its usefulness on the Ampeer Website.

Wing Cube Loading (WCL) Calculator

<https://www.ef-uk.net/data/wcl.htm>

3D Wing Loadings - A Better Way to Scale Models  
by Larry Renger - Dec. 1997

<https://theampeer.org/CWL/larry.htm>

Aircraft Performance Parameters Revisited  
by Roger Jaffe - June 1994

<https://theampeer.org/CWL/jaffe.htm>

Model Design & Technical Stuff  
by Francis Reynolds - September 1989

<https://theampeer.org/CWL/reynolds.htm>

Wing Cube Loading  
By Ken Myers - Jan. 2014

<https://theampeer.org/M1-outrunners/M1-outrunners.htm#CWL>

Wing Cube Loading (updated)  
By Ken Myers - Feb. 2018

<https://theampeer.org/CWL/myers2018.htm>

A chart with WCL values related to typical types of planes with these values can be found in this article

Note that this "idea" is not new. It is also not complicated and it does have value, and CAN be more comparative and useful than typical wing area loading.

I found it interesting that some folks are just catching on to it.

### Upcoming RCCD Swap Meet

From Bayard Temple via email

The annual RCCD Swap Meet is coming up on January 28 at the K of C hall in Warren.

As in years past, in addition to the swap meet, there will be waffles available!


Best regards  
Bayard Temple  
RCCD Secretary

### Winter Indoor Flying at the Legacy Center in Brighton, MI

Indoor flying is now taking place through 2024 at the Legacy Center Sports Complex, 9299 Goble Dr., Brighton, MI, 48116  
phone: 810-231-9288

**Wednesdays from 12:30 PM until 2:30 PM.**  
**The cost is \$10 per drop-in session.**

**Radio Control Club of Detroit**  
Presents Their



## Annual Swap Meet

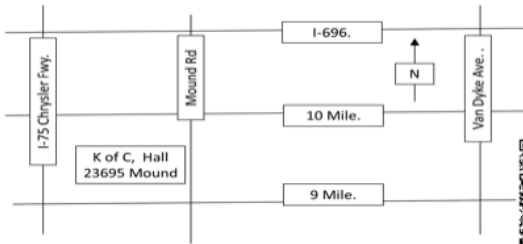

## Sunday January 28, 2024

**Time:** Open 9:00am – 12:00pm  
**Location:** Knights of Columbus Hall  
 23695 Mound Rd.  
 Warren MI 48091  
 1/3 Mile North of 9 Mile Rd. on the West side of Mound Rd.  
 (See Map)  
**General Admission:**  
 Adults: \$5.00  
 Children: 6-12yr old - \$1.00  
 Children under 5: Free!  
**Free Parking**  
**Door Prizes, 50/50 Drawings,**

**Food and Refreshments: Waffle**  
**Breakfast served: 9:00 – 11:00.**

**Contact info:** To reserve tables  
 Or general info contact:  
 Larry Penn-586 256 8665  
 email-pennlar@outlook.com  
 Phil Laperriere-586 404 5438  
 email-lap.phil@gmail.com  
**Vendors:** Tables \$25.00 each  
 (Includes 1 admission per table)  
 \$22.00 if payment is received by Jan. 10th. Table set up at 7:00am.  
 Vendors requested to stay until Noon.

**RCCD Web site: [rccd.org](http://rccd.org)**



# Indoor Flying

## United Wholesale Mortgage Sports Complex

867 South Blvd., Pontiac, MI 48341

# October 17<sup>th</sup> thru April 9<sup>th</sup>

Single Flying Session \$10  
25 Session Season Pass - \$150

## The Best Indoor Flying Venue In Metro-Detroit

All Pilots/Drivers must have proof of current AMA Membership. Spectators Welcomed Free.  
3 Month Trial AMA Membership is Available.

Contact us at [indoorfly@skymasters.org](mailto:indoorfly@skymasters.org) or 248-403-8279

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



**SKYMASTERS INDOOR FLYING**

**At UWM Sports Complex - Field # 1**

**For the 2023-2024 Winter Season\***

### OCTOBER\*:

Tues. 17<sup>th</sup>  
Tues. 24<sup>th</sup>  
Tues. Oct 31st

### NOVEMBER\*:

Tues. 7<sup>th</sup>  
Tues. 14<sup>th</sup>  
Tues. 21<sup>st</sup>  
Tues. 28<sup>th</sup>

### DECEMBER\*:

Tues. 5<sup>th</sup>  
Tues. 12<sup>th</sup>  
Tues. 19<sup>th</sup>

### JANUARY\*:

Tues. 2<sup>nd</sup>  
Tues. 9<sup>th</sup>  
Tues. 16<sup>th</sup>  
Tues. 23<sup>rd</sup>  
Tues. 30<sup>th</sup>

Flying sessions start at 9 am and end at 12: PM \*  
Please Bring Proper Change For Payment.

### FEBRUARY\*:

Tues. 6<sup>th</sup>  
Tues. 13<sup>th</sup>  
Tues. 20<sup>th</sup>  
Tues. 27<sup>th</sup>

### MARCH\*:

Tues. 5<sup>th</sup>  
Tues. 12<sup>th</sup>  
Tues. 19<sup>th</sup>  
Tues. 26<sup>th</sup>

### APRIL\*:

Tues. 2<sup>nd</sup>  
Tues. 9<sup>th</sup>

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

For rules & additional information go to: [www.Skymasters.org](http://www.Skymasters.org)  
[Indoorfly@Skymasters.org](mailto:Indoorfly@Skymasters.org) or 248-403-8279



To change your email address contact Ken Myers at [kmmyersefo@mac.com](mailto:kmmyersefo@mac.com)

The 2024 membership application is available at the club Web site,

<http://www.midwestrcsociety.org>,  
for downloading with the link on the homepage.

### Upcoming Events

**Tentative 2023 & 2024 Midwest Events Schedule**  
Every Tuesday May through Oct. Sailplane league (5:30 pm.) Larry Markey CD.

April 5th - April club Meeting / EAA building

May 10th - May Club Meeting / At the field

June 7 - June Club Meeting / At the field - Club picnic ladies night

July 5 - July club Meeting / At the field - Pre Mid-AM , 6 p.m.

July 8th and 9th Annual Mid-Am electric fly. Ken Myers CD (*To include Open Air Swap Shop KM*)

Aug 5 - Aug club meeting / open - At the field **Saturday** (Lunch served)

Sept. 9 - Club Meeting / at the field. **Saturday** (discuss officer nominations) - No lunch unless someone volunteers to cook dogs - contact Greg as he still has some

Oct 4 - Oct club Meeting / Mettetal FBO / Officer nominations

Nov. 1 Nov club Meeting / Mettetal FBO (pre swap prep / elections)

Nov. 5 November Swap Shop / Northville Senior center

Dec. 6 - December club Meeting / Mettetal FBO

( Christmas snacks)

Still in question

???? - December Club dinner with wives @ Karls Cabin (*Actual date, time and place to be determined KM*)

Jan. 3, 2024, Wed / January club meeting / Mettetal FBO / 7:30 p.m. / Swap Shop wrap up & budget report

Feb. 7, 2024 Wed. Club Meeting / Mettetal FBO / 7:30 p.m. / Swap Shop wrap up & budget report

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

### The Next Meeting:

**Date:** Wednesday, Feb. 7, 2024

**Time:** 7:30 p.m.

**Place:** Mettetal Airport FBO