

the

Monitor

April

The MRCS Officers

2021

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Newsletter Editor:

Ken Myers

Next Meeting: Date: April 7, 2021

Time: 7:30 p.m. **Place:** On Zoom

What's In This Issue:

IMPORTANT WARNING ABOUT USING OUR FLYING FIELD THIS SPRING! - Denny's BMJR Astro Hog - Battery Station Poll Results - Midwest March Zoom Meeting - Toledo RC Swap Meet Announcement - The Upcoming Keith Shaw Birthday Party Electric Fly-in 2021 - Upcoming Events

IMPORTANT WARNING ABOUT USING OUR FLYING FIELD THIS SPRING!

This has been a strange winter with continual freezing and thawing. Please heed the following advisory. KM

When the weather is going through an occasional freeze and thaw cycle, along with the spring rains, the flying field is to be considered **CLOSED!!!**

Neither the entrance road nor the parking area can support vehicle traffic during these cycles and rainy times.

Please stay off the entrance road and parking area until our Midwest RC Society Website indicates that the flying field and entrance road are open.

A Little Help Please

A Request from the Newsletter Editor
Ken Myers

It is quite difficult to take notes and grab pictures while we are meeting on Zoom.

If you share a new plane during the Zoom meeting, it would be very helpful to send me an email with a little information about your plane, as well as a few photos.

Thanks,
Ken
kmyersefo@mac.com

Denny's BMJR Astro Hog

From Dennis Sumner via email

During the February Zoom Meeting, Denny Sumner shared his BMJR Astro Hog.

I received the following email from Denny as I had used a stock photo from BMJR to illustrate the information in the March issue of our newsletter.

Helicopter Frequencies

21, 27, 29, 39, 41

Sailplane Frequencies

11, 12

His plane is a real "looker"! Thanks for the info and photos Denny. KM



Ken,

You should have asked for pictures of my Astro Hog. I took a few after I finished. start next paragraph



It weighs 15.9 oz. with a 3S 1000mAh LiPo.

I am using a Cobra 2208/34 motor and 8x4 APC prop.



The Covering is red Ultracote Parklite and the red and white at The World Models Toughlon.



The pilot is 3D printed.

Best Regards,
Dennis Sumner

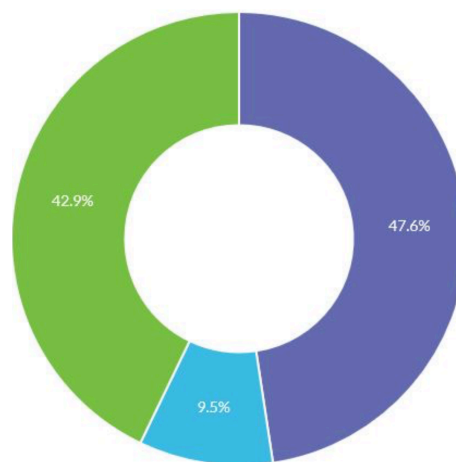
The Battery Charging Station Survey Results

From Greg Eilers via email

On February 28, Greg sent out a an email to a survey link asking the members about a possible field upgrade; a battery charging station.

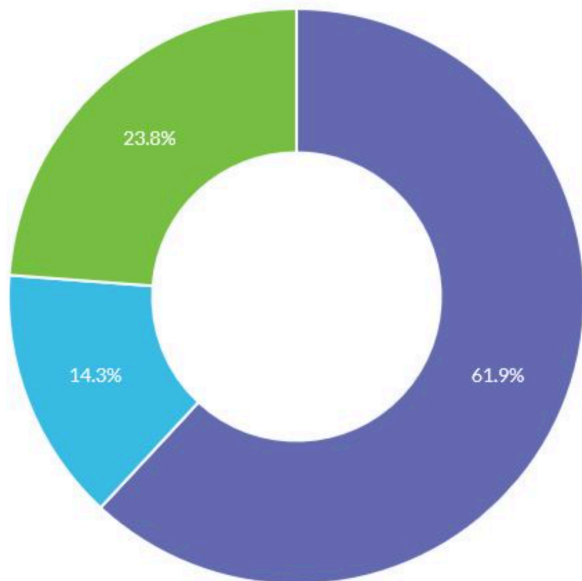
Here are the results of that poll, as received from Greg on March 2, 2021, via email.

Question 1: If the club were to provide a battery charging station at our field, would you use this feature?



Choice	Total
Yes	10
Maybe	9
No	2

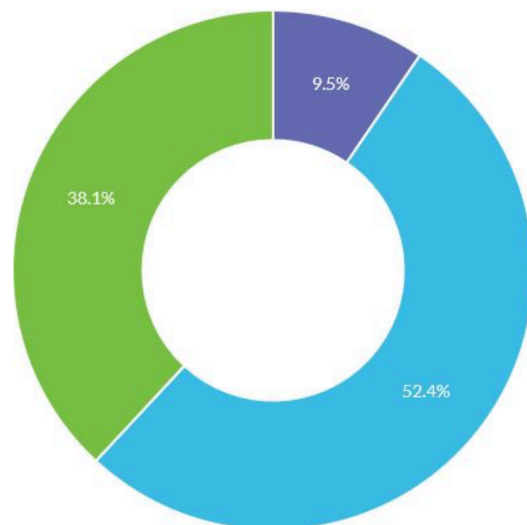
Question 2: If the club were to install a battery charging station, would you be will to contribute to the project with a monetary contribution?



Choice	Total
Yes	13
Maybe	5
No	3

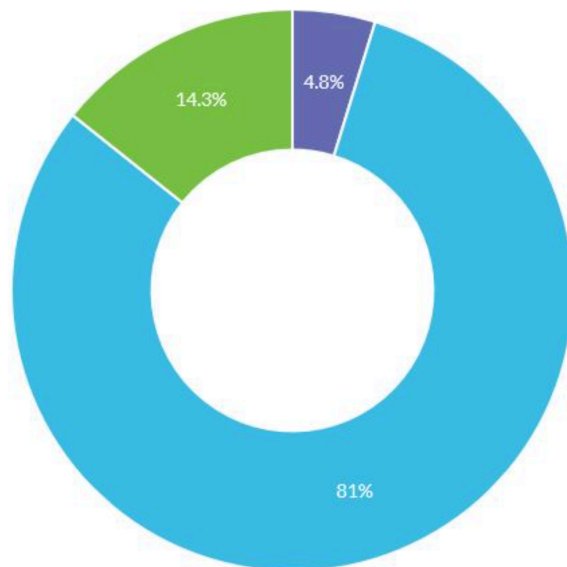
Question 3: If you were someone looking to join a model airplane club and fly electric models. Would a charging station be something you would expect to be available?

Choice	Total
No	11
Doesn't matter	8
Yes	2



Graph For Question 3

Question 4: If you were considering joining one of two model airplane clubs, if one club had a charging station and the other did not. Would that feature determine which club you would join?



Choice	Total
No	17
Possibly	3
Yes	1

The March 3, 2021 Midwest Zoom Meeting

Eighteen members attended the March 3, 7:30 p.m. Zoom meeting.

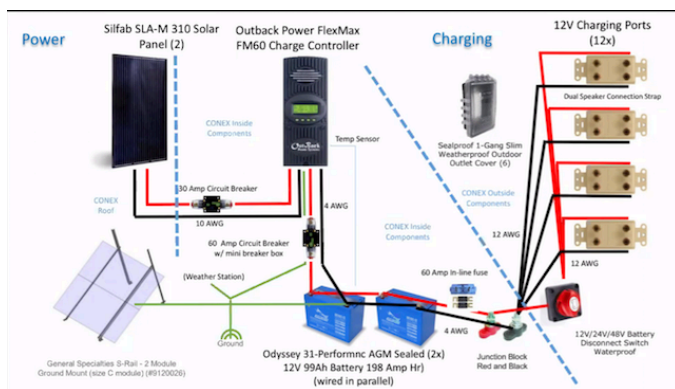
Midwest RC Society president, **Greg Eilers**, called on **Lynn Morgan**, club secretary, for a report on the progress of membership renewal so far this year.

Lynn reported that we have, at this point, 31 paying members and a total of 34 members renewed for 2021. He also noted that he's been out of town for several days and expects that more membership applications may be awaiting him at home.

Next, Greg noted that he like the idea of inviting the members of the Rib Crackers to a "come and fly with us day". He said that he is going to try and reach out to Rib Crackers soon and that we'd come up with a date, possibly at the next meeting.

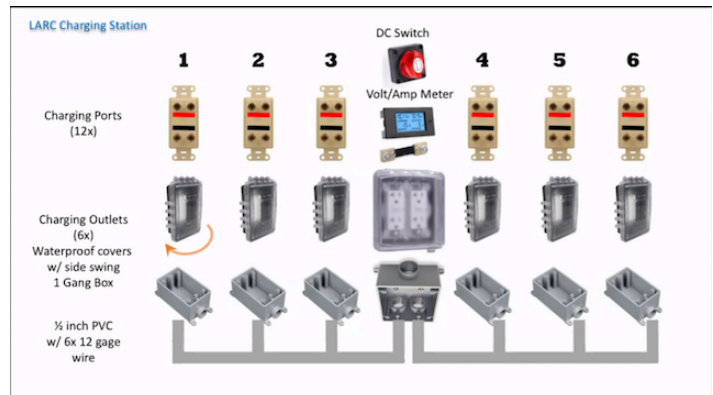
Greg said that he had asked **Denny Sumner** to look into what would be required to install an on field, solar power charging station at our flying field. He also noted that he'd been in contact with the AMA about getting some funding for this project. His response, from the AMA, was that funds will be available for field improvement grants starting August of this year and that the grant could be up to 25% of the projects cost up to \$3000.

Denny Sumner shared his research into what it would take to set up a solar powered charging station at the flying field.



Denny shared a simple component drawing that he'd found online that showed what other clubs are using. He noted that his search for information about

solar power was difficult until he limited his search to what other RC clubs are doing.



His second graphic demonstrated the components need for the battery portion of the charging station.

Based on his research, Denny presented a possible budget for us to consider.

Midwest Solar Charing Station

One solar panel two 100AH battery design cost:

Renogy 320W solar panel (Home Depot)	\$350
Renogy 30A MPPT solar charge controller #8 max wire (Amazon)	\$136
SLI31MDC Duracell 105AH Deep Discharge (2) (Batteries Plus)	\$286
Banana post wall plate 2 connections/plate	\$42
12-48v Battery disconnect switch waterproof (Amazon)	\$17
Waterproof boxes	\$20
Wire 50 of #4 and #8 for MPPT to batteries	\$144
Wire #12	\$40
Digital panel volt meters (2)	\$32
30A chassis mount circuit breaker	\$20
60A chassis mount circuit breaker (2)	\$50
PVC, shelving, and shade?	\$100
	\$1237

Metal Shed to house batteries and solar controller

\$400

Denny also Denny roughly calculated battery usage, and noted that we should be able to use 2 deep cycle RV/Marine M31 size batteries in parallel.

While doing his research he also checked our area for the average sunlight available through the summer.

There was a general discussion by the members present as to where to locate the charging station and how to secure it as well as what kind of container is still undecided at this time, but that will be left up to the committee to decide.

Larry Markey, noted that a pair of "D" size deep cycle Marine batteries could provide about 400Ah of capacity and that we might be able to get a pair at little or no cost to the club. Thank you Larry!

We thank Denny for his research time and great presentation!

After the presentation and discussion, a four part motion was made by **Dave Stacer** and seconded by **Mark Freeland**.

Part 1: Club funds will be used, up to \$1500, for the solar power charging station.

Part 2: The club members, who might use the solar power charging station, will be asked for voluntary donations to help reimburse the club for this project.

Part 3: The club will apply to the AMA for a field improvement grant for up to 25% of the actual cost.

Part 4: A committee was formed consisting of **Denny Sumner**, **Dave Stacer** and **Lynn Morgan** to bring the project to fruition, including purchasing the necessary items, constructing and assembling the unit and selecting the location at the flying field for the unit.

A vote was called and the 18 members present voted unanimously to support the motion.

Bill Brown, Sr. noted that this type of unit could increase the charging safety for individuals as they would no longer be charging in their cars or at home.

Roger Wilfong shared a photo of the the charging station used by the Hamburger club.

Greg Eilers noted that he is trying to gather together the history of our club. Bill Brown, Sr. has already put together a lot of the very early history of our club, which started at Joe's Hobby Shop in Dearborn, MI. This history will become part of the AMA history project.

Bill Brown, Sr. said that he is going to talk to Dave Northmore, Jimmy Northmore's son, as Jimmy had quite a written history of our club.

Greg noted that **Ken Myers** will be helping him put this history together.



Mark Freeland, Mr. Retro RC, said that his latest design, a the TLG Cosmo, which was originally designed in 1946 and is a SAM legal tow-line glider that can be converted to electric. It has a 4' span.

<http://retrorc.us.com/phantomfury-3-3-1-1-2-1.aspx>

He shared a photo of the prototype.

Ken Myers mentioned that we are coming into the season of great changes to the entrance road and flying field and that all members should check to see whether the field is open. The notice is near the top of the homepage.

Lynn Morgan suggested that some members might not know that we have permission to fly electrically powered aircraft at the soccer field at the Northville Community Park, which is located near Beck and 5 Mile Rd.

We may ONLY FLY when the fields are NOT BEING used by others!

The address is:

Northville Community Park

15801 Beck Rd

Northville, MI 48168

The location can be found in Google Maps.

Although the address is given on Beck Rd., there is also an entrance on the north side of 5 Mile Rd. just west of Beck Rd.

We Now Have Two Voluntary Fund Drives Going On!

Please note that we now have two fund drives that are ongoing.

The Friends of the Field Fund is for additional flying field expenses.

The Solar Charging Station Fund is to help fund the new Solar Charging Station.

Please send any donations, for either, or both funds to Dave Stacer. Dave's address appears in the heading of this newsletter.

Toledo RC Swap Meet

From Joe Hass via email

toledo RC swap meet

<https://toledorcswapmeet.com/>

APRIL 9 & 10, 2021

9:00 am - 5:00 pm FRIDAY

9:00 am - 11:30 am SATURDAY

SeaGate Convention Centre - Main Floor

THE FIRST OF MANY SHOWS TO COME!

Featuring door prizes every hour with an auction on Saturday at noon!

Be sure to keep checking this site for news and additions to the show!

<https://toledorcswapmeet.com/>

This show is for any hobby! RC planes, cars, boats, helicopters, trains, and more!

All necessary COVID-19 precautions will be taken, and the show will go on unless Ohio shuts us down!

GENERAL ADMISSION

Tickets will be sold at the door.

There will be no ticket sales in advance for general admission.

Admission is \$10.00

Women and children are FREE

VENUE

SeaGate Convention Centre - Main Floor

401 Jefferson Ave, Toledo, OH 43604

Admission is \$10.00

Women and children are FREE

Floor plan will be built as reservations for tables come in. We will contact vendors with preferences. The floor plan will be made in compliance with state of Ohio regulations due to COVID-19.

VENDORS

Vendors can reserve 8' tables at \$25.00 per day. If the show is cancelled due to COVID-19, a full refund will be given.

All efforts to table location will be done on a first come first serve basis and in conformity with COVID restrictions.

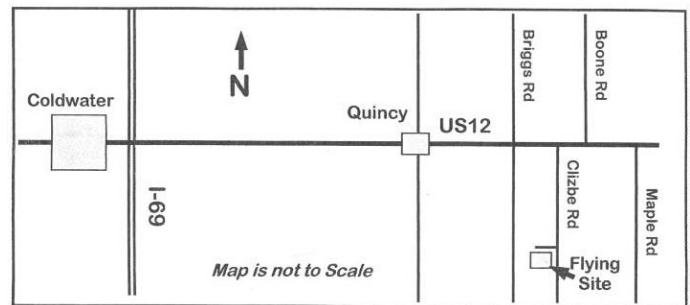
Interest is high! Table sales are going well, so get your reservation in! We can accommodate as many tables as we can sell and fit in the main floor with ample spacing according to Ohio COVID restrictions.

Show put on by www.toledorcswapmeet.com
LLC · © 2020

IMPORTANT! Read Carefully!

*This is **NOT** the former Toledo RC Expo put on by the Toledo Weak Signals. It is a swap meet only. To the best of my knowledge, there is NO connection between the Weak Signals and this swap meet and the group, or individual, presenting this swap meet, although the dates are similar to the former Weak Signals' Toledo RC Expo.*

It notes on the Website that the checks, for tables, are to be sent to Pittsburgh, PA. KM



The Upcoming Keith Shaw Birthday Party Electric Fly-in 2021

The Balsa Butchers are hosting the "Keith Shaw Birthday Party Electric Fly-In", for the 19th year, at their field near Coldwater, MI. The event takes place on Saturday, May 29, 2021. It is a one day event again this year.

The event consists of Open Electric Flying with a "Special Guest of Honor Theme", Happy Birthday Keith Shaw [June 6].

Enjoy a day with the "Pioneering Master of Electric R/C Flight". 8 a.m. - 4 p.m., Saturday. NO LANDING FEE! Donations for field maintenance and lunch appreciated.

For additional information contact;
Contest Director: Dave Grife - E-mail:
grifesd@yahoo.com or Phone: 517-279-8445
Please e-mail or call with any questions.

The field will be open for guests to fly on Sunday as well.

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

**The 2021 membership application is available at the club Web site,
<http://www.midwestrcsociety.org>,
for downloading with the link on the homepage.**

Upcoming Events:

Starting Wednesday, October 14, Indoor RC Flying at the Legacy Center in Brighton, MI (more details in this issue)

Starting Thursday, October 15, Indoor Free Flight Flying at the Legacy Center in Brighton, MI, 10 a.m. - ???

On Thursdays, Indoor RC Flying, Premier Sports Center, 23 Mile and Hayes, from 9 AM to 3 PM. (details in this issue)

Starting Tuesday, October 27, Indoor Flying at the Ultimate Soccer Arenas in Pontiac, MI

Wednesday, April 7, 2021, Midwest RC Society Monthly meeting, 7:30 p.m. on Zoom. Be sure to check the club Website for any last minute changes and check your email for the Zoom meeting URL.

April 9 and 10, Toledo RC Swap Meet (details in this issue.)

May 29, 2021, Saturday, The Upcoming Keith Shaw Birthday Party Electric Fly-in 2021 (details in this issue)

July 10 & 11, 2021 37th Annual Mid-America Electric Flies. (Details will be posted soon.)

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

The Next Meeting:
Date: Wednesday, April 7 , 2021
Time: 7:30
Place: On ZOOM