

the

Ampeer

June		The EFO Officers	2021
President: Ken Myers 1911 Bradshaw Ct. Commerce Twp, MI 48390 Phone: 248.669.8124	Vice-President: Keith Shaw 2756 Elmwood Ann Arbor, MI 48104 Phone: 734-973-6309	Secretary/Treasurer: Rick Sawicki 5089 Ledgewood Ct. W. Commerce Twp., MI 48382 Phone: 248.685.7056	
Board of Director: David Stacer PO Box 75313 Salem, MI 48175 Phone: 313.318.3288	Board of Director: Arthur Deane 21690 Bedford Dr. Northville, MI 48167 Phone: 248.348.2058	Ampeer Editor: Ken Myers 1911 Bradshaw Ct. Walled Lake, MI 48390 Phone: 248.669.8124	
No Mailed Ampeer Subscriptions	The Next EFO Flying Meeting: Sat., June 5, 10 a.m. Midwest 7 Mi. Rd. Flying Field		

What's In This Issue:
 EFO April Zoom Meeting - The May EFO Flying Meeting - Keith Shaw's Virtual Toledo Show Project: The Stingray - What Ever Happened to Sanyo? - LiPo Disposal and FMA Chargers - Keith's Bearcat Original Colors - Addison Oaks Float Flying 2021 - Upcoming Skymasters Night Fly & Bonfire - Upcoming Keith Shaw Birthday Party Electric Fly-in Info - Upcoming 37th Annual Mid-America Electric Flies Announcement - Upcoming Events



EFO April Zoom Meeting

The April 14 EFO Meeting was held via Zoom with six members present.

Ken Myers related his story about his Junior Falcon. It was quite a tale. The details were in the May 2021 *Ampeer*.

There was quite a long discussion about the new solar powered charging station at the Midwest RC Society 7 Mile Road flying. EFO member **Dave Stacer**, who is also a member of Midwest, filled us in on all the details.

There was some discussion about possible setting up an APRS weather station at Midwest field.

Rick Sawicki said that he did go down to the Toledo Swap Shop scored the

Sterling kit of the Polish Fighter. He noted that he'd been wanting one for a long time.

Dave Stacer and **Denny Sumner** also went. They each found something worth bringing home. David's find was a used Radian that he plans to use to compete in the Tuesday evening Midwest glider league.

Ken went to the basement and got his brand-new, still in the plastic wrap, Sterling Nieuport "28" to share with the group. He noted that he had built this same model while stationed in Korea in 1968. He also shared the red and yellow ElectroStreak that he has.

Roger Wilfong shared an Estes Rocket collectors kit that he'd acquired.



Bob Blau shared his tricked out foamy jet, the Typhoon, with LED lights.

I received the following from Bob the next day.

* * * * *

Here are a few photos that you might consider for the next *Ampeer*.

I enhanced the screen shot of the kit plane (don't know the name) and a few of the ones we chatted about.

The Virtual meetings are great.

Bob

Great Planes ElectiCub - note the AstroFlight motor



Bob with his ET-200 in 1994



Sterling Polish Fighter



Surprise Electric Performance Glider



Great Planes ElectroStreak



Bob's Typhoon with LED Lights



Thanks so much for sharing these photos. I wonder how many *Ampeer* readers remember some of these "oldies but goodies".

The May EFO Flying Meeting

The May EFO Flying meeting was a bit different!

It turned out to be a combined meeting with the Midwest RC Society.

The Midwest RC Society & EFO Fly at the Plymouth-Canton Mettetal Airport



The Airport Setup. - Greg Eilers' photo

Bill Brown, Jr., of the Midwest RC Society, was asked by the manager of the airport if he could get some Midwest members to come and fly at the airport on Saturday, May 15. The airport was totally closed because the runways were being repaved.



Several EFO Members Just Enjoying the Beautiful Day

Ken Myers had planned to have the EFO meeting on that same day at the Midwest flying field, and asked if the EFO members, most of whom are also Midwest members, could join them.



Some of the Spectators

That Saturday was a perfect May day for flying. The sun was out, the wind was low and the temperature was moderate.



Bill Brown, Sr. and Bill Brown, Jr. doing some flying

There was a lot of flying throughout the day. **Ken Myers** was able to introduce a new beginner to RC flying using his RUA 2-4-10.

There were hot dogs, provided by the airport, for lunch around noon.

It was a fantastic day of flying for us and bringing our hobby to the public's attention!



Denny Sumner retrieves his plane from the short cut grass.



Denny Sumner Capturing the Bills Flying



Keith Shaw Enjoying a Flight



Paul Sockow and Roger Wilfong Concentrate on Flying



More Spectators Watching and just Some of the Planes

Ken's RUA 2-4-10, used to introduce new pilots, its in the foreground. It worked out really well.



Denny Sumner Flying and Keith Shaw Watching

Keith Shaw's Virtual Toledo Show Project: The Stingray

From Keith Shaw via email



After several months of dedicated designing, building and finishing, I present the Stingray as this year's Toledo project.



It is the latest in a long line of pure flying wings that I have made to study the wonders of the Horten Brothers' aerodynamics. The biggest challenge was figuring out how to cram the batteries, fan, speed control, retracts, and radio into that skinny 12% symmetrical section!



Power is a Mercury 74mm EDF running on a 6S 4Ah LiPo. The indoor flash photos don't do the color scheme justice, which is Ultracoat Deep Yellow and True Red.



I ran the system and it draws 62 amps, giving 1400 watts. The wing loading is a mere 16.6 oz/sq.ft, and the power loading is 270 watt per pound. It should have adequate performance. :-)



The span is 66", area 720 sq.in., and a ready-to-test-fly weight of 83 oz., which includes 4.5 oz of nose weight.

If the sun decides to come out later this week I will try to get some better photos. While the plane is ready to test fly, I am not. I will need to get in a lot of practice on my existing planes to get my reflexes and finesse honed to test flying precision. Hopefully I will be up to speed by late May.

Keith



This is a view of the underside showing the retracts.

What Ever Happened to Sanyo?

From Jesse Davidson via email

I noticed that you have a broken link to a website called Sanyo.com. That site was first published way back in 1998 but unfortunately, it is no longer a working website.

You link to Sanyo on this page:

<http://www.theampeer.org/ampeer/ampfeb14/ampfeb14.htm>

We recently published an article that explains what happened to the site. I think it's an interesting story, and it could be useful to your readers.

Here's the article if you want to take a look:

<https://www.ourpcb.com/what-happened-to-sanyo-com.html>

Would you consider swapping out the broken link for our article? It would really help.

Thanks,
Jesse

I did not swap out the broken link, but I've provided the link to his article above.

Many of us used Sanyo cells almost exclusively and some of you might wonder whatever happened to this one-time industry giant.

LiPo Disposal and FMA Chargers

From Don Patterson via email

Dear Ken,

I have some LIPOs that I would like to prepare for disposal because Battery Giant no longer disposes of LIPOs.

I have read that soaking them in salt water after discharging them renders them harmless. Please let me know how much salt is needed for a given volume of water and how long they should soak.

I also want to restore my charge value to 4.2 volts in my FMA multi-4 charger before I measure capacity. I reduced it to 4.1 volts to "baby" my batteries and cannot remember how I found my way through the one button commands to edit charging parameters.

I visited the Revolectrix site and it looks like support for these chargers may be a thing of the past. Too bad. They are excellent chargers.

Thanks and take care,
Don Patterson

Hi Don,

I think this article in the March 2021 *Ampeer* might help with the discharging question.

<http://theampeer.org/ampeer/ampmar21/ampmar21.htm#LIPO>

I've never set my discharger below 3.77V per cells, as that is what I use as a storage charge.

Sorry, I cannot help you with the Multi-4 except to point you to the manual.

http://www.revolectrix.com/support_docs/Cellpro%20Multi4%20Charger%20090917%20straight.pdf

I hope this information is helpful.

Later,
Ken

And another reply from me:

Hi Don,

I forgot to mention that the salt water "bath" doesn't really work.

Discharge the pack to as close to 1 volt per cells as possible. Once discharged completely, in an area where spreading a fire is not likely, clip off the power connector and wind both leads together. **DO NOT DO THIS UNTIL EACH CELL IS AT ABOUT 1 VOLT PER CELL!!!**

Let it sit over night in that "safe" area and then dispose of it in the regular trash. Of course there

are chemicals in LiPo batteries, but they are not toxic like in NiCads or NiMH cells.

If you are not sure how to do this, please don't try and find some other way to dispose of them.

Later,
Ken

Addendum:

Terry Dunn discusses discharging LiPo batteries in his Electrics column in the April 2021 *Model Aviation* starting on page 58. While he is mainly discussing getting a LiPo to storage charge, the same process and device he describes, can be used to get a battery close to 0 volts for disposal.

Look What I found, Keith's Bearcat Original Colors

From Keith Shaw via email



Remember my Bearcat's original black and gold "eagle" color scheme? I did the best I could to extrapolate it from two tiny 1" square B&W photos of it as a 1960s airshow performer, but could never find any further info on it. I just ran across a magazine with a whole article on it, including four glorious color photos and 10 B&W ones! It is far more dramatic than the color scheme I approximated. The owner/pilot was Chuck Lyford.

About 5 years ago when the original MonoKote finally embrittled and needed to be redone, I opted for a stylized bronze and black Bearcat loosely based on another civilian color scheme I had found.

I guess now I will just have to wait until this covering disintegrates, and then redo it in the "correct" black and gold scheme. BTW, the name of this airshow beauty was "The Black Cat". How appropriate.

Keith

Weekly Float Flying on Wednesday Morning at Addison Oaks

From Joe Hass via email

We will soon be starting our weekly Float Flying on Wednesday mornings at Addison Oaks County park. Please review the attached flyer for specific details.

In brief:

Only 2.4 GHz Systems are allowed.

All pilots must have valid AMA.

There is a one time \$5.00 charge.

There is a retrieval boat.

E Mail bulletins are sent out to confirm each Wednesday session.

If you are interested please contact me to be added to our mailing list.

This is a low key, fun event all summer long.

We hope to see you there.

Joe Hass
joeass@gmail.com
248-321-7934

Addison Oaks Float Flying 2021 Sponsored by the Romeo Skyhawks RC Club

Every Wednesday, June thru September
Addison Oaks Oakland County Park
at Buhl Lake

1480 W Romeo Road, Leonard, MI 48367
Main Park Entrance on W. Romeo Rd (32mile)
West of Rochester Road

Past the Toll Booth then follow the signs to the Boat Rental

www.oakgov.com/parks/parksandtrails/addison-oaks

Flying from 9 am till noon, retrieval boat on site
Flying open to AMA Members -
Spectators welcome

Only 2.4 GHz radio systems are allowed
\$5.00 One Time Pilot Registration Fee

**All Cars Need Daily/Annual Oakland County
Park Sticker**

Plenty of Free Parking

No R/C Boats During Flying Times

Weekly Email Notifications

For more information call Joe Hass at (248)
321-7934 joeass@gmail.com

Upcoming Skymasters RC Club Night Fly and Bonfire

From Pete Foss via email

Saturday, June 26, 2021 Night Fly with Bonfire
Event Flying starts at 6PM

Bring you own refreshments for the bonfire after flying

NO FOOD OR DRINKS WILL BE AVAILABLE.
MASKS REQUIRED UNLESS 6 FOOT SEPARATION.

Flying open to AMA members.

94dBa at 10 feet enforced

Flying field is located within the Bald Mountain Recreation Area, about 5 miles north of the Palace of Auburn Hills on Scripps Road between Lapeer Rd (M24) and Joslyn Rd.

Rd (M24) and Joslyn Rd.

For more information email

president@skymasters.org

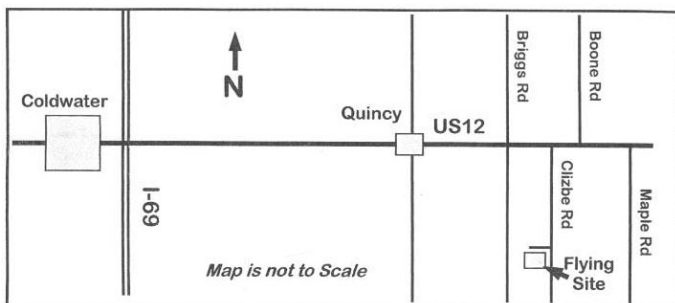
Event Flyer at

[http://www.skymasters.org/index.php?](http://www.skymasters.org/index.php?page=events&pdfflyer=data/flyers/2021/2021nightfly.pdf)

[page=events&pdfflyer=data/flyers/](http://www.skymasters.org/index.php?page=events&pdfflyer=data/flyers/2021/2021nightfly.pdf)

[2021/2021nightfly.pdf](http://www.skymasters.org/index.php?page=events&pdfflyer=data/flyers/2021/2021nightfly.pdf)

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.

37th Annual Mid-America Electric Flies 2021 AMA Sanctioned Event (Proof of AMA/MAAC membership required to fly)

Saturday, July 10 & Sunday, July 11, 2021

Hosted by the:

Ann Arbor Falcons and Electric Flyers Only

The 7 Mile Rd. Flying Site, Salem Twp., MI, is Provided by the:

Midwest R/C Society

Contest Directors are:

Ken Myers phone (248) 669-8124 or email

kmyersefo@mac.org – <http://www.theampeer.org>
for updates & info

Keith Shaw (734) 973-6309

Flying both days is at the Midwest R/C Society
Flying Field - 7 Mile Rd., Salem Twp., MI

Registration: 9 A.M. **Saturday**

Event Flying from 10 A.M. to 4 P.M. Saturday

Open Flying 10 A.M. Until You Leave Sunday

(Open Flying Saturday after the Event & All Day Sunday)

No Pilot Landing Fee

No Parking Donation Will Be Requested from Spectators

Awards on Saturday Only!

Best Scale

Most Beautiful

Best Mini-Electric

Best Multi-motor

Best Sport Plane

Foam Flurry for NCM aircraft

CDs' Choice

Planes Must Fly To Be Considered for Any Award
Plaques for winner in each category

The Field is Open for Open Flying All Day Friday

Night Flying Possible, Weather Permitting, Friday
& Saturday Nights

POSSIBLE Field Lunch (hot dogs, chips, water or
pop) Available on Saturday - depends on COVID
protocols

POSSIBLE Burgers, Brats and Potluck on Saturday
evening for Pilots & Their Guests - depends on
COVID protocols

Come and join us for two days of fun and relaxed
electric flying.

The NCM (Not Conventional Materials) Event

Traditionally, model aircraft airframes have been
mostly constructed from balsa wood, plywood,
spruce, and fiberglass. For the purposes of this
meet, NCM airframes are mostly constructed from
not conventional materials i.e.; sheet foam, foam
board, cardboard, block foam, foam insulation
material, etc.

Foam Flurry for NCM aircraft: This is a true
event. It is based upon the all up/last down event of
early electric meets. Any NCM aircraft may be
used (no ARF types). Power systems are limited to
a maximum of 3S (no paralleling) LiPo batteries or
4S maximum, no paralleling, for A123 packs. All
planes qualifying for this event will launch at the
same time, and the last one to land will be declared
the winner.



**VERY IMPORTANT REMINDER FOR 2021 -
THE FLYING FIELD ENTRANCE TO THE
MIDWEST FLYING FIELD CHANGED TWO
YEARS AGO!**



The old entrance to the Midwest RC Society
flying field is **permanently closed!!! DO NOT
ATTEMPT TO USE IT!!!**

To locate the Midwest R/C Society 7 Mile Rd.
flying field, site of the Mid-America Electric Flies,
look near top left corner of the map, where the star
marks the spot, near Seven Mile Road and Currie
Rd.

The field entrance is on the north side of Seven
Mile Road about 1.5 Miles west of Currie Rd.
entrance is on the north side of Seven Mile Road
about 1.6 Miles west of Currie Rd.

The address is 7621 Seven Mile Road,
Northville, MI 48167. The entrance is through a
private residence drive and out past the barn.

Directions from Google Maps to the flying field

<https://www.google.com/maps/place/MIDWEST+R%2FC+SOCIETY/@42.422025,-83.6170775,805m/data=!3m1!1e3!4m13!1m7!3m6!1s0x8823559bdf962b57:0xd100df97d9dcebf112s7419+7+Mile+Rd,+Northville,+MI+48167!3b1!8m2!3d42.4187058!4d-83.6190072!3m4!1s0x882355a2c9e29cb5:0xaaaf592068692b984!8m2!3d42.422025!4d-83.6148888?hl=en>

Because of their convenient location and the easy
drive to the flying field, the Comfort Suites and Holiday
Inn Express in Wixom, MI have been added to the
hotels' listing. They are only 10 miles northeast of the
field and located near I-96 and Wixom Road. See the
map-hotel .pdf for more details.

<http://www.theampeer.org/map-hotels.pdf>

Upcoming E-vents**Addison Oaks Float Flying 2021**

Sponsored by the Romeo Skyhawks RC Club
Every Wednesday, June thru September
Addison Oaks Oakland County Park

June 5, Saturday, EFO Flying Meeting, 10:00 a.m.
at the Midwest RC Society 7 Mile Road Flying
Field.

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

June 26, Saturday - 6 p.m., Skymasters RC Club
Night Fly and Bonfire (details in this issue)

July 10 & 11, Saturday, Mid-America Electric Flies,
(see this issue for details)



The Ampeer/Ken Myers
1911 Bradshaw Ct.
Commerce Twp., MI 48390
<http://www.theampeer.org>

The Next Monthly Flying Meeting:

Date: Saturday, June 5, 10:00 a.m.

Place: Midwest RC Society 7 Mi. R. Flying Field