

Flypaper 2022

Official Newsletter of
The Flying Electrons of Menomonee Falls



Celebrating 60-plus Years of Service to the Community & Counting!



President's Preflight



It's now June and the summer is going fast. I encourage all of you to take advantage of some great flying weather. Yes, we've had some windy days but I tell my students, "don't be afraid of the wind, get used to it and you'll enjoy flying a lot more often."

Our Fun Fly was a great success! This was due to the attendance and the participation levels of our volunteers.

Our last club meeting was held at the airfield and it worked out very well. **Our next meeting will be held at the field as well immediately following the Scale Event on July 10th.**

We will have a raffle at the club meeting and volunteers that support the Scale Event will receive three (3) FREE raffle tickets for their contributions.

Chris Milbauer made a presentation to encourage attendance at the upcoming Scale Event and then went on to give a historical account about Major William A.



Ken Pressman Wins Big Raffle Prize at Fun Fly

It was a great day for a Fun Fly. The weather was perfect and the turnout was great.

More than 38 attendees were counted with just about everyone brought something to fly.

The event included a grand prize raffle which included a Dyna Flight Grand Cruiser twin aircraft and Futaba Fasst 10J Radio system, both were donated to the club.

Raffle tickets were sold and additional tickets were awarded for participation in flight contests throughout the day.

The concession sold out and had the best year on record in concession sales.

A lot of photos were taken and you can view several of the later in this newsletter.

A special thanks to all the volunteers that made this event a suc-

(Continued on page 9)

Issue Highlights

President's Preflight	1
Pressman Wins Raffle	1
Field Rule Reminder	2
YouTube Corner	3
New Member Spotlight	4
Getting Started in RC	5
Fun Fly 2022	9
Meeting Show & Tell	11
Carl Verbanac's 98th	12
June Meeting Notes	13
Raffle Winners	15
Upcoming Events	17
Club Calendar	21

(See PREFLIGHT on page 4)

President: Tom Jacobs
tjacobs421@att.net
262-527-2481

Vice President
Paul McGuan
paul@mcguan.com
414-232-8634

Secretary/Treasurer:
Mark Polzin
mpolzin1234@gmail.com
414-687-7550

Director: Steve Huelsbeck
shuelsbeck@wi.rr.com
414-358-1078

Director: Mike Batson
mebatson@gmail.com
414-350-3803

Director: Kevin Malec
Kevin.010@gmail.com
414-763-7707

Director: Doug Colton
sd.colton@sbcglobal.net
414-327-5830

Safety Officer: Ed Malec
mechanical.eddie@gmail.com
414-763-7707

RC Association Rep:
Steve Huelsbeck
shuelsbeck@wi.rr.com
414-358-1078

Field Manager: Doug Colton
sd.colton@sbcglobal.net
414-327-5830

Club Meetings:
Second Sunday of Month
7:00pm
De Marini's Restaurant
N88 W15229 Main Street
Menomonee Falls, WI 53051

Flying Site:
N61 W17000 Kohler Lane
Menomonee Falls, WI
www.flyingelectronics.com

Flight Rule Reminder!



Please make every effort to fly your planes, helicopters, and quadrotors, at least 25 feet north of the flight line while at the main field. It's an important rule!

I realize that it takes some effort to walk out the 25 feet when hand launching aircraft which don't have landing gear, but please make that effort each time, until it becomes habit.

Those who fly planes with landing gear, should taxi straight away from themselves at the

flight line, to the north at least 25 ft. before turning east or west to takeoff, and after landing, turn straight south, back to themselves.

Let's keep safety a priority.

If you have any safety questions let me know and I'll be happy to help answer them as best I can.

Ed Malec,
Safety Officer

Flypaper Contact Information

Editor: Tom Jacobs
tjacobs421@att.net

262-527-2481

The Flypaper welcomes for consideration articles of interest, recommended video links, letters and questions you may have about the club, meetings, newsletter, and events. Please direct those communications via email to tjacobs421@att.net. We will respond to all inquiries.

OPEN AIR CLUB MEETING

Sunday, July 10th
Tamarac Airfield
Immediately Following
the Scale Event

17000 Kohler Lane
Menomonee Falls, WI 53051

**Come to the Scale Event
and stay for the meeting!**



RC Airfield Etiquette - The Unwritten Rules of RC Planes

The unwritten rules of RC field etiquette are comically explained here in the video. It's a clever video for both club members and new students to the hobby.

<https://www.youtube.com/watch?v=ZsTidsCy4s4>



Timber X and Turbo Timber Evo

The Timber has been a great plane for beginners from day one. If you are thinking about getting into RC, the Timber is a perfect choice.

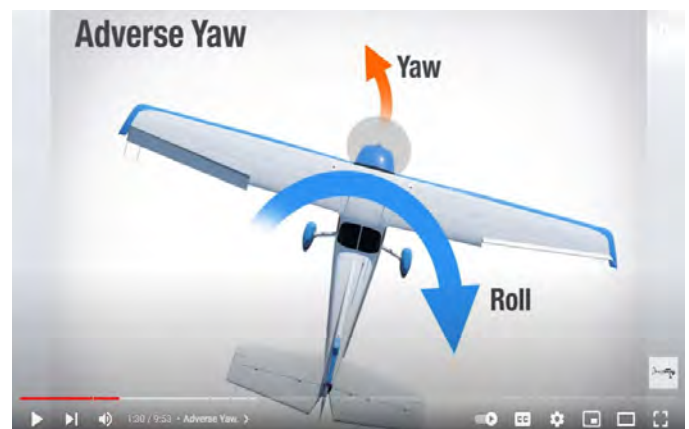
<https://www.youtube.com/watch?v=xQrf1TDv2Kk>



10 Reasons to Build Foam Board RC Planes

Foam board RC planes are also great for newbies as the material is very easy to work with. This beginner series is a "how to" introduction to the use of foam board to construct a wide range of RC airplanes. Note that foam board is easily available at Dollar Tree, Amazon and various crafts stores.

<https://www.youtube.com/watch?v=RMqJhDnWz-k>



If you've enjoyed a udder while flying: You May Be Using It Wrong.

We all know the folks in the RC airplane community who only use their rudder for taxiing.

Using the rudder is an art. Take a look at what the folks mean when they talk about things like; side slips to landing, forward slips, etc.

<https://www.youtube.com/watch?v=tse8jqEGlQQ>

(PREFLIGHT *continued*

Shomo using his P-51D Mustang for demonstration purposes.

I encourage everyone to attend the upcoming Scale Event. If you have an aircraft that was once manufactured as a full size aircraft, that plane qualifies for the event, so bring it!

Scale judging is informal and flexible. There's no need for docu-

mentation, photos or certifications, etc.. This is supposed to be a fun event for anyone that has a loosely qualified scale aircraft. Just come and have fun.

The **Scale Event is scheduled for Sunday, July 10th, and will run from 9:00AM to 2:00PM.**

A full-service concession will be offered with hamburgers, jumbo

hotdogs and brats provided by Tom Johnson, and cooked up just right by Jeff Surges.

Don't forget the **Electric Event which is coming up on Sunday, July 24th.** We will have a great raffle and contests where you can increase your odds of winning the grand prize for the event. More on that later.

NEW MEMBER SPOTLIGHT



Say hello to father and son team, James and Ryan Beckley.

James is 57 and resides in Elm Grove with his wife Linda, their two children (Tyler and Ryan) two 16-year-old cats, two turtles and some fish. He likes to spend time with the family and is a Boy Scout Assistant Scoutmaster with Troop 183. He enjoys playing ice hockey, flying RC planes, fishing, coin collecting and yard work.

James has a BS degree from Pur-

due University and has been employed as an embedded firmware developer with companies like Delco Electronics and Eaton. As an embedded firmware developer, he creates firmware for controls for reclosures; in other word, he's the one that makes your lights blink on an off

during a storm.

He's always love planes and very early on flew one of those Cox .049 control line aircraft, built stick and tissue airplanes as a teen, and his first RC aircraft at the age of 16. After 20 years away from the hobby, he returned to teach himself to fly a Zagi and then went on to build a GWS Corsair which he

took up last fall for its maiden flight.

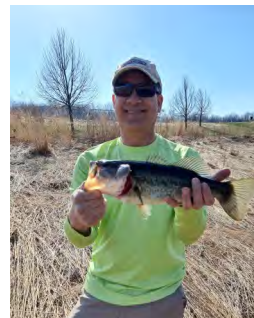
James is a frequent visitor to the EAA convention and currently a flight student with the Flying Electrons getting very close to pilot certification.

Ryan is 20 years of age, unmarried, currently enjoying life and, "looking for adventure in whatever comes his way." He's currently attending UW Platteville, focusing on engineering and the sciences as a mechanical engineering major. Ryan also enjoys fishing, coin collecting, RC planes, track & field, and swimming.

He says, "I enjoy RC because it gives me the experience to fly, although different from that of a real plane, but definitely very fun and enjoyable." Ryan is also a student currently looking to learn

to fly on his own so he can get into EDF jets.

Please say hello if you happen to run into James and Ryan at the airfield.



Getting Started in RC



Part V: Batteries and How to Care For Them

This article will cover the basics for aero modelers new to the hobby. We will not cover, the more sophisticated electronic systems which support receiver redundancy and distribution of power using "power boxes" with this article. These requirements are generally needed for the large, extreme sized aircraft that can cost a considerable amount of money.

In this article we'll talk about battery types, use, charging and safety for those types of batteries that those new to the hobby may need to use and handle.

Whether you fly electrics or nitro aircraft, you still need battery power to handle the electronics. In either case, you'll use a trans-

mitter that needs battery power, so let's look at that first.



Transmitters

If your transmitter is a rechargeable unit, the manufacturer will provide a battery pack with your unit. These packs will generally be NiCad or Nickel Metal Hydride battery packs. Transmitters of different brands and types can

require different voltages to power the system. Generally rechargeable transmitters will run on 9.6 volts, however some new systems are running on 4.8 to 6.6 volt rechargeable packs.

The good news is that the manufacturer will provide the right power pack and a charger that will handle the charging requirements necessary.

Additionally, there will be a means to know how much charge your transmitter has left during a day's flying, whether it's a dial meter, or a digital voltage reading on an output screen. If you have a meter, then you'll want to stop flying when the needle moves into the red zone. With the digital output voltage readout, you must follow the manufacturer's guidelines to stop flying when the voltage output reaches a certain level.

Some newer transmitter systems now rely on 1.5 volt dry cells (AA batteries) for power. I really like these systems because one doesn't have to remember to charge the transmitter every night to keep it at full charge. I just carry four extra AA batteries in my flight box, and when the voltage gets low, I simply change them out. I find that flying weekly, I only go through a couple of sets of batteries each season.

(Continued next page)

(Continued from previous page)

One caution I want to communicate is that dry cells can leach, so you'll want to remove them from your transmitter when you plan not to use it for an extended period of time.

Charging Your Transmitter Battery Pack

If you're using rechargeable packs then you need to know how long you should charge the pack to get a full charge. Most individuals put their transmitter on charge the night before flying and that 8 to 12 hours is plenty to fully charge their system. But for those that have high milliamp battery packs in their transmitters, it can take longer. So here's how



to figure out what you need to do based on the battery pack you have.

First, check out your charger supplied by the manufacturer. The charger will be a block that plugs into the wall outlet and one wire will attach to your transmitter and the other should attach to your receiver battery pack. We'll cover receiver packs later.

The block will have specifications listed on it. The important information are the "outputs." The output for your transmitter (TX) will probably be anything from 40 to 70mAh, which is secret code for milliamp hours. You need to know this number so you can figure out how long to charge your battery pack.

The "mAh" tells you how many milliamps of energy will be pushed into your battery pack each hour, when it's under charge. So, the question is, "how many hours do I need to charge my transmitter battery pack to know that it is fully charged?" The answer to this math problem needs one more piece of information; we need to know how many milliamps your transmitter pack requires?

To understand this, you need to open your transmitter and read what milliamp rating your transmitter pack supports. Transmitter packs can support anything from 600mAh to 2200mAh, or even more. So what does this mean? It means that the larger the mAh pack you have, the longer it will take to fill it with power.

For example, if you have a 50mAh charger, and you have a 1000mAh battery pack, it will take 20 hours to totally fill that battery pack with power if the pack starts out empty. To do the math all you need to understand is that if a charger puts out 50mAh per hour, and you need to fill 1000mA then $(1000\text{mA} / 50\text{mA} = 20 \text{ hours})$. The math is relatively simple. This math works

for other battery packs as well. When charging a battery you have an amount of power that you're trying to pour into a battery. How long the charge will take depends on how much you pour into the battery each hour to charge it.

Aircraft Batteries

If you a beginner and your flying a nitro aircraft, you'll need to charge your receiver battery as well. Not many new entries to the hobby are starting out with nitro but we need to go over it anyway because it has its own issues.

Nitro Flyers & Battery



Packs

As a nitro flyer, you'll have a receiver and servos that need to be powered. This is handled by the receiver pack. Receiver packs follow the same rules as do Transmitter batteries. Your charging block will also have a receiver battery pack charging wire. Its output milliamp rating will likely be the same as the transmitter and, the math in charging the receiver pack will be the same as well.

For example; you have a

(Continued from previous page)

2000mA rated aircraft battery and a 50mA charger, it will require 40 hours of charge time to bring an "empty pack" up to full charge. An empty pack is considered to be a pack that has fallen below its voltage rating. If a pack is rated at 4.8 volts, and the current voltage rating is 4.6 volts, then the pack needs to be fully charged. If the pack's voltage is above the specified range, then less charge time is required to top off the pack.

When charging, battery packs will absorb a charge that is higher than the specified rating. A fresh 4.8 volt pack might reach 6 volts, while a 6 volt pack might reach 7.2 volts. It's this overage



that supports reliable flight times with your aircraft. Once voltages drop below the specified rating, your aircraft is at risk.

Electric Aircraft Flyers

Information for this portion of this article was in part provided by the following website.

<https://rogershobbycenter.com/lipoguide>

The site primarily focuses on RC car and truck hobbyists however,

the principles apply to model aircraft as well. We want to recognize their knowledge and expertise and recommend that you visit their site for more detailed information.

All Electric Aircraft

Electric flyers have it made; all power comes from once source ... their LiPo battery pack. Although pilots will still maintain their transmitters by changing out batteries or following the standard charging procedures using their charging block, the focus with electronic aircraft is the LiPo battery pack.

The reason we now have electronic aircraft is because of LiPo battery power and the innovations that have been made in electric motors over the years. In the beginning, electric flyers only had what were called cobalt motors. These

ran on a large number of NiCad batteries and provided a great deal of power for a short time. Today we have Lithium Polymer batteries that are light weight and hold a great deal of energy which can be dangerous if not handled properly.

Transmitter charging was covered in this earlier article, so we'll



Understanding RC Batteries

focus here on the power needs for your aircraft, which means your battery selection that will power your aircraft.

Why are LiPo packs so popular.?

Several reasons. They are much lighter in weight, have much higher capacities and have much higher discharge rates; meaning they pack more energy punch. LiPos do have a downside though; they have limited life cycle (100 to 150 charge cycles), they can be susceptible to fires and require special care for charging, discharging and disposal.

Electric aircraft require enough power to handle the receiver signals, reliably activate all servos, and also power the aircraft motor through the air. All this is the responsibility of your LiPo battery pack.



LiPo packs come in all shapes and sizes. Here are some of the specifications.

The picture page 12 identifies the key specs for a LiPo battery. The "2S" refers to the fact that this pack is a 2-cell pack wired in series. Each cell is 3.7 volts, therefore, a 2S pack wired in series becomes 7.4-volts. A 3-cell pack would produce at 11.1 volts and so forth.

The voltage refers to the "nominal" voltage rating, which is



the voltage when the battery is at rest. "At rest" can be referred to as the proper voltage for storage over long periods of time. When a battery is charged, its actual voltage will peak at around 4.2 volts per cell when fresh. When flying, it's important to time your flights short enough as to not drop a battery pack's cell voltage below the 3.7 volt level. This will ensure that you get maximum life out of your LiPo pack.

Let's look at some of the math in determining how voltage affects performance. The voltage is going to determine how fast your aircraft is going to travel because voltage is directly related to RPM of the propeller that moves the aircraft forward.

Brushless motors are the popular motor of today and they are rated by kV, which means "RPM per volt." So, if you have a motor that is rated at 1000kV, the propeller will spin at 7,400rpm if your battery pack carries a 7.4 volt rating. If you were to use an 11.1 volt pack the RPM of the prop would rise to 11,100. A prop that spins at 11,100rpm will travel forward faster than one the turns at 7,400 RPM. It just makes sense.

Keep in mind that the motor must be rated to handle the heat of the increased rpm otherwise, it will burn up.

The Electronic Speed



Controller

So how does a single battery pack provide power to both the motor, receiver and servos which control the aircraft? Through the Electronic Speed Controller or ESC. The device is the switching device that channels the appropriate amount of power to both the motor and receiver separately so that you can control airspeed and control surfaces.

The ESC plugs into the motor



and, with a separate connection into the throttle receiver connection. All other control surface connections are wired up as usual. The ESC's job is to read the signal from the receiver and translate the signal into power from the battery pack to the motor.

The amperage rating on the ESC should be one rated high enough to handle the flow of current from the battery pack to the motor without overheating. This why ESC's are rated by amperage level. A motor that will draw 40 amps from a battery pack under a burst of power must have an ESC that can handle 40 amps. You can oversize an ESC for your motor and power supply but the ESC will be heavier than necessary, therefore modelers try to do the best job of matching their ESC to their motor and power system.

So there you have it. All you need is a motor, battery pack and ESC to power an electronic aircraft.

Next month we'll cover how to choose the right motor, ESC and pack based on the size and type of aircraft you may have or be interested in purchasing.

More to come.

2022 Fun Fly

Great Weather! Great Attendance! Great Food!



Gene Scheiderer watches while Peter Mick takes to the sky.

Virtually everyone flew during the day with contests and raffle tickets awarded to participant as winners of special events.

If you weren't there, you missed a great day of flying.



Mike Batson volunteered as Event Coordinator for our Fun Fly and did a great job of pulling everything together.



Henry Reed brought his meticulously appointed cub.



Todd Davis and Marv Ingerson came with their huge Warbirds and flew formation.



One of the great things about our club is there is always someone around to help another member.

If you're having engine trouble, Henry Reed is that man you want to see. Here Henry is assisting another member in fine-tuning his engine.

In the background, Steve Tarney is training a new club member.

If you need some help, all you have to do is ask!





It's always exciting when Randy Jans makes an appearance at our events.

There's not a pilot at the field that doesn't wish they were in his shoes.

Randy flies this beautiful Ultralight and often makes an appearance at our special events. We're hoping to see him again this year at our 2022 Airfest Event.



Thanks to all the volunteer efforts this year, this is the first year I was able to fly my big Yak (below) at an event.



Both Marv Ingerson and Bob Goldstein brought their incredible jets for an appearance at the event.



A special thanks goes out to Jeff Surges for doing our cooking, Tom Johnson for providing the food product, to Henry Reed, Marty Ketterer, James Beckley and son Brian, and Jerry Schneeweis for providing food service sales at the concession stand during the event.

Spreading out the concession responsibilities makes volunteering easier on all club members.

We're looking for volunteers for the upcoming Scale Event on July 10th. If you can help out, please contact me and let me know. It's



always greatly appreciated.

Above, Steve Tarney works with Drew Giordano. Drew was an avid RC car enthusiast that has gained an interest in RC aeromodelling.

Drew came to the Fun Fly as a student and under Steve's train-

ing efforts left the event as a certified pilot and new member of the club.

Drew is going to be a great addition to our membership.

Welcome to the club Drew!

Club Meeting

Show & Tell



Steve Huelsbeck- Phoenix Models Slick 50

67" WS, 9lbs, ARF acquired for \$319.00. All components fit together well during setup and it flies really nice.



Chris Milbauer - The Flying Undertaker

1/5th Scale Topflight P-51D-F6D conversion, used for photo recon, bomb drop, G-62 power, gun lights, with Hitec 645mg servos, Robart electric retracts. Craft was originally piloted by Major William A. Shomo, MOH recipient.



Steve Tarney - Aeros Hawk from Hobby Zone

12-Blade ducted fan EDF power source. Powered by 3S 1300 LiPo pack using 4 to 6 channel radio system.

\$150.00. A good deal!

Carl Verbanac Celebrates 98 Years!



Originally scheduled for June 16th, Carl Verbanac had to postpone his 98th birthday celebration to the following day due to high winds and hot temperatures.

Those that caught the update notice on Facebook were made aware. The weather was great!

Carl had a great turnout and hosted the club membership with a great luncheon.

Many happy returns Carl!



MEETING MINUTES

- Last call for raffle item tickets at 4:00PM
- Meeting called to order at 4:15PM to allow Anupam Das one last flight before the meeting.
- Number of attendees, 28 members and guests
- Guests Present—Mike Huber & Son, Max

- **Carl Verbanac Announcement** – Carl will be 98 on June 16th.

- June 16th Celebration Cookout
- Members welcome

- **Club Financials**

- Mark Polzin presented the financials for the month
- The club is in good financial standing based on revenues and expenses to date

- **Membership Report**

- Now up to 116 members from 112 of last month
- Mike Huber and son are planning to join soon

- **Raffle Manager Website**

- The club has been developing a Raffle Manager website
- Purpose – to control raffle costs and analyze ROI

- **Concession Management**

- Five responsibilities Need Filled
- Food Product Sourcing, Tom Johnson
- Concession Setup, Tom Jacobs

- Cook, Jeff Surges
- James Beckley and son, Marty Ketterer, and Henry Reed came forward to offer to provide food services
- Concession Shutdown – Tom Jacobs

- **Training Program**

- Henry Reed hasn't made contact to date with his student
- Tom Jacobs will contact the student and encourage a training session
- Trainers of Record
 - Steve Tarney – Gerry Schneeweis
 - Ed Malec – Paul Buechel
 - Henry Reed – Mark Uttke
 - Tom Jacobs – James & Brain Beckley, AJ Neto, Mike & Max Huber

- **AirFest 2022, August 13th**

- New Scouting Team in place
- Event flyers have been printed
- Several members took flyers for distribution

- **Builder's Workshop**

- Only 2 student enrollments registered
- The Rec Center elected not to proceed with the class
- The club will need to think of something else to stimulate interest

- **Field Clean-up & Management**

- Called off Field Cleanup for two reasons
- Not enough to do
- Impending weather forecast

- The membership made a motion to compensate Doug Colton for his ongoing management of the airfield
- The motion was seconded, and the BOD will convene to make a proposal
- Many pit tables have been refurbished
- We will seal all of them later this season
- Tom Johnson was the main contributor of time and effort in making this upgrade happen
- There are 3 more tables flagged for upgrade and the materials are in stock
- A Special Thanks should go out to Tom Johnson for getting the materials, and preparing them, so that the tables could be upgraded.

• About Field Maintenance Notices

- The membership was asked if the email notices were doing a good job in notifying members of pending field maintenance.
- Members responded positively

• Club Fun Fly- Saturday, June 18th

- Mike Batson will serve as Event Coordinator
- We will have a pilot raffle
- Concession will be open for food service
- Tom Johnson – Providing Food Source
- Jeff Surges - offered to cook
- We will reach out to 4 volunteers to assist in serving food
- 1 hour service each

• Scale Event – July 10th

- Chris Milbauer CD
- Chris gave a presentation to promote the Scale Event
- Chris also brought an aircraft as part of his



Show & Tell, covering the history of William Shomo, who was credited with 8 victories, defeating the enemy, while his primary mission was simply to capture reconnaissance photos.

• Electric Event – July 24th

- Steve Huelsbeck CD
- Steve will have contest events planned for the day
- There will also be a raffle

• Field Mower Maintenance Update

- New belts still on order, not received
- Tom Jacobs will cancel the order and place it online

• Open Forum

- No new issues brought up by the membership.

• Next Meeting

- Members elected to hold the next club meeting at the airfield following the Scale Event.

- The meeting was adjourned at 5:10PM._____
- Respectfully Submitter by
Tom Jacobs - President

Club Meeting Raffle Winners



Chris Milbauer - Flite Test Edge



Marty Ketterer - Club T-Shirt



Ed Malec - Weller Soldering Gun



Mrs. Ketterer (Accepting for Marty) Aerobatics Book



Tim Malec - Radio Setup Book



Mike Huber - P-51D Mustang Park Flyer



STEM Student Membership Academy

Education in Aviation through Aero Modeling.

Sponsored by

The Flying Electrons of Menomonee Falls

Here's What The STEM Student Membership Academy Offers!

1. A state-of-the-art airfield for training and personal flying
2. Ongoing access to top notch flight instructors, builders, technical advisors
3. Access to get great RC deals and discount savings
4. Earn your solo pilot's license while learning at your own pace
5. Mini-workshops covering all types of aircraft and power sources
6. Immediate access to advice and tips on how to get the most out of your aircraft
7. Learn airfield protocols and proper safety precautions
8. Meet top pilots and learn aerobatic techniques
9. Participate in all club events and activities
10. Monthly club newsletter
11. Full access to Tamarac Airfield for personal flying
12. Attend monthly club meetings to learn about various model aviation issues

The Flying Electrons "**STEM Student Membership Academy**" is a member scholarship program that provides interested young people the opportunity to learn how science, technology, engineering, and math support the various principals of flight through model aviation.

Available to young people ages 8 to 18, students qualify and apply for the Membership Academy by registering through the Flying Electron's **Introductory Pilot (IP) Program**. This program, supported by the Academy of Model Aeronautics (AMA), is designed to introduce individuals to model aviation by providing a FREE structured 60-day flight training program.

During training, students learn the principles that support flight, how control systems operate aircraft, power sources and how to properly set up aircraft for successful flight.

Each student trains at their own pace and under a schedule that is mutually convenient. Instructors are also available to assist the student in acquiring his or her own RC aircraft and equipment to be used during student solo pilot certification. Several options are available.

Students that graduate from the IP Program to "pilot status" are immediately invited to apply for a full and FREE club membership with all benefits.

Graduating students are eligible to renew their membership each year FREE of charge up until they reach the age of 18. (\$15.00 Annual AMA membership is also required for insurance purposes.)

For more information feel free to contact Tom Jacobs at tjacobs421@att.net.



The Flying Electronics of Menomonee Falls Present

AMA Sanction No. 13053

Our 2022 RC Scale Festival

Sunday July 10th, 2022

All SCALE Radio Controlled Model
Aircraft are Welcome.

FLY OR DISPLAY!

**Spectators
Welcome!**

Registration starts at 8:30AM

Flying from 9:00AM to 2:00PM

**AMA Membership required to
FLY or SHOW.**

All flying aircraft must be test flown prior to
this event, no test flights please

\$7.00 Landing Fee.

**Maximum 3 Aircraft allowed to
compete for Cash.**

Great Food On Site with FREE Parking!

*(Scale Documentation would be nice but not a
requirement to enter)*

Event Information

- All Scale Aircraft are Welcome
- Cash Prizes Awarded, over 9 FUN SCALE Categories
- Best Flying Scale - \$20 for each WWI, WWII, SPORT, and Jet
- Best Scale Built from Kit, all types - \$20.00
- Best Flying ARF (Almost Ready to Fly) "ARFmanship" - \$20.00
- Best Flying Scale Performance by an Electric - \$20.00
- Best Flying Scale "SCRATCH" built - \$20.00
- Best Static Scale "Hanger Queen" - \$20.00

(All prizes will be awarded at 2:00PM)

For more information contact: Chris Milbauer, Phone: 414.750.2740, Email: chrismilb@att.net
Check the Flying Electronics website for more details at www.flyingelectronics.com

LOCATION: N61W17000 Kohler Lane, Menomonee Falls, WI 53051

From Hwy 41, take Siler Spring Drive Exit and go West. At Pilgrim Road, turn North. Take Shawn Circle East, then left onto Kohler Lane to the Water Tower. Look for signs directing you to the airfield.

The Flying Electron's **ALL ELECTRIC FUN FLY**

**Sunday, July 24th, 2022
9:00AM to 2:00PM**

(AMA Membership Required to Fly)

You'll Get a Charge Out of this Event!

Leave your "slimers" at home and join us.

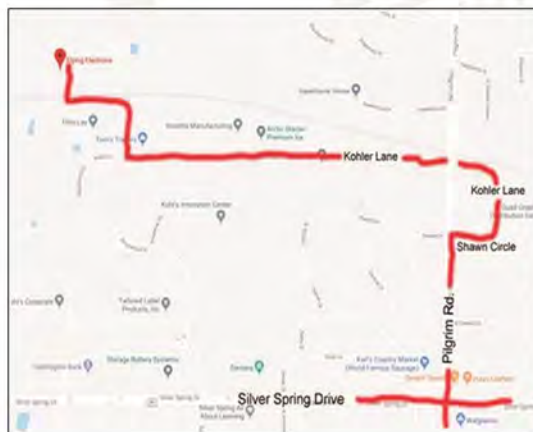
Food, prizes and fun! Pilot's Raffle! Win Raffle Tickets!

(Pilot Registration/Landing Fee \$5.00)



Speed Contest:
Prop & EDF

Mini Air Show:
Scale, 3D, EDF, Heli, Sport



Tamarac Field is conveniently located for anyone living in the Milwaukee, Waukesha and Ozaukee county areas. Kohler Lane is just north of Silver Spring Drive (W) and Pilgrim Road (YY). Take Shawn Circle to Kohler Lane and follow the signs to the water tower. Watch for the sign that says, "Flying Field."

We're Back!
The Flying Electrons of Menomonee Falls Present



What You Need to Know!

- Enjoy food & refreshments available at our concession
- Huge RC raffle of aircraft & aircraft accessories
- Try flying an RC aircraft at the side of a certified instructor
- Full size Ultra-Light aircraft take-off & landing (weather permitting), get your picture sitting in the cockpit!
- Pilot registration starts at 8:30 AM
- \$5.00 Landing Fee for all pilots

AirFest 2022

**Saturday, August 13th
9:00AM to 2:00PM**

(Rain Date: Sunday, August 14th)

A portion of the proceeds go to benefit
Menomonee Falls Local Area Scouting!

OPEN TO THE PUBLIC
Spectators Welcome!
BIG NOON RC AIR SHOW!
\$5.00 per car load

Location: Tamarack Airfield at N61W17000 Kohler Lane, Menomonee Falls, WI

(Just behind the Frito-Lay Distribution Center. Just follow the signs.)

**Event Director: Tom Jacobs Phone: (262) 527-2481 Email: tjacobs421@att.net
www.FlyingElectrons.com**

(This is an Academy of Model Aeronautics Sanctioned Event #00000)

Renewal & New Member Application

A copy of your valid AMA Membership card must accompany this application.
FAA Registration & TrustID Certificates must be on file to renew or join.

(If not using the electronic template, please print legibly)

Check this box if you have updated your address, email, phone...etc.

Check this box if this is a "STEM Student Membership Academy" Application

AMA No.: _____ FAA No.: _____ TrustID No. _____

(Copy of AMA card required for renewals, FAA & TrustID card copies initial membership only)

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

EMAIL: _____

PRIMARY PHONE: _____ DOB: ____/____/____ (month and year only)

SPONSOR (Required for new membership): _____

By signing this application, I agree to abide by the Field Rules.

Signature: _____ Date: _____

Mail your check payable to Flying Electrons, Inc. Include this completed application, valid AMA card, and if not submitted earlier, copies of your FAA Registration and TrustID Certificates. Mail to:

The Flying Electrons, Inc.

ATTN: Mark Polzin

Treasurer

5738 N Shore Drive, Whitefish Bay, WI 53217

Phone: 414-687-7550 Email: Mpolzin1234@gmail.com

Member Academy of Model Aeronautics, 1-800-I FLY AMA, www.modelaircraft.org

The Flying Electrons Inc., Website: www.flyingelectrons.com

MEMBERSHIP TERMS & FEES

Select the Membership Category (Enter Cost at Right)	Unit Cost	Extension
New Member Initiation Fee	\$50.00	\$
Non-Resident - Individual or Family Membership	\$75.00	\$
Menomonee Falls Resident - Individual or Family Membership	\$55.00	\$
Junior (18 Years or Younger by July 1st)	\$55.00	\$
Single Senior (65 or Older by July 1st)	\$55.00	\$
Additional Costs		
Add if renewing after January Club Meeting	\$5.00	\$
Add if renewing after February Club Meeting	\$10.00	\$
Deduct if you paid initiation fee previous year	-\$20.00	
STEM Student Membership (Must be Solo Pilot certified)	N/C	
Calculate Total Membership Cost Here		\$

Incomplete forms will be returned to the applicant. Failure to provide proof of AMA membership will result in suspended flying privileges until proof such as a photocopy of AMA card or faxed confirmation from the AMA is provided to the club secretary.

Applications for AMA membership are available from the club secretary or from most area hobby stores. Acceptance into membership of the Flying Electrons Inc. is contingent upon Club sponsorship, Board approval, and completion of all requirements of The Flying Electrons Inc. bylaws and based on the information provided herein. All fees are payable in advance.

Updated 11/01/2021 - TJ

Club Calendar of Events

This calendar will be updated monthly as local area club event dates are published.

Date	Time	Event	Location/Club
Sunday, March 13th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, April 9th	8:00AM to 12:00PM	Model Engine Collectors Assoc. Swap	6531 W. Grange Ave., Greendale, WI
Sunday, April 10th	7:00PM	Club Meeting	DeMarini's Restaurant
Sunday May 15th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, May 21st	8AM to Noon	Field Clean up	Flying Electron's Airfield
Saturday, June 4th	10:00AM to 2:00PM	Control Line Open Fly	Circle Masters Club
Saturday, June 11th	10:00AM to 2:00PM	Open Fun Fly	Fund du Lac Aeromodelers Assoc.
Sunday, June 12th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, June 18th	9AM to 2PM	Electron's Club Fun Fly	Flying Electron's Airfield
Saturday, June 25th	10:00AM to 2:00PM	Fun Fly	Sky Ranch Flyers
Saturday, July 9th	10:00AM to 2:00PM	Charity Fun Fly	Astrowings of Wisconsin
Sunday, July 10th	8AM to 2PM	Scale Event	Flying Electrons Airfield
Sunday, July 10th	8AM to 2PM	Old Timer Contest	Bong Eagles
Sunday, July 10th	7:00PM	Club Meeting	Flying Electron's Airfield
Saturday, July 23rd	10:00AM to 2:00PM	Fly-in	Lakeland RC Club
Saturday, July 23rd	10:00AM to 2:00PM	Friend Fly	SWARM
Sunday, July 24th	8AM to 2PM	Electric Event	Flying Electron's Airfield
Saturday, July 25th to July 30th		Circle Masters Flying Club	EAA Kid Venture-Oshkosh
Saturday, Aug 6th		Float & Fly DNR Bong	MARKS
Saturday, Aug 6th	10:00AM to 2:00PM	Fun Fly	Rubincon Area Flyers
Saturday, Aug 13th	8AM to 2PM	Airfest 2019	Flying Electron's Airfield
Saturday, Aug 14th	8AM to 2PM	Airfest 2019 (Rain date)	Flying Electron's Airfield
Sunday, Aug 14th	7:00PM	Club Meeting	Flying Electron's Airfield
Thursday, Aug 18th to 21st	8AM Daily	Warbirds & Classics	Fond du Lac Aeromodeler's Assoc., Wellnitz Field
Sunday, Aug 21st	8AM	Wellnitz Memorial Open Fun Fly	Fond du Lac Aeromodeler's Assoc., Wellnitz Field
Sunday, Aug 21st		Open House	Racine RC Club
Wednesday, Aug 24th	9AM	Jim Wahner Dead Chicken	Flying Electron's Airfield
Saturday, Aug 27th-28th		Demo Flying	Circle Masters Club
Saturday, Sept 10th	8AM-2:00PM	Swap Meet	Flying Electron's Airfield
Sunday, Sept 11th	8AM	Swap Meet (Rain Date)	Flying Electron's Airfield
Sunday, Sept 11th	7:00PM	Club Meeting	Flying Electron's Airfield
Sunday, Sept 11th		Open House-Pancake Breakfast	Watertown Aeromodelers
Saturday, Sept 17th - 18th	8AM	Pattern Contest	Flying Electron's Airfield
Sunday, Sept 25th	9AM to 2PM	Franken-Plane and Build & Fly Event	Flying Electron's Airfield
Saturday, Oct 8th		Collecto & Hobby Swap Meet	6531 W. Grange Ave., Greendale, WI
Sunday, Oct 9th	7:00PM	Club Meeting	De Marini's Restaurant
Friday Oct 21st to 23rd		Maker Faire	State Fair Park
Sunday, Nov 13th	7:00PM	Club Meeting	De Marini's Restaurant
Sunday, Dec 4th	5PM	Club Holiday Dinner	TBD