

# Flypaper 2024

Official Newsletter of  
The Flying Electrons of Menomonee Falls



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



## President's Preflight

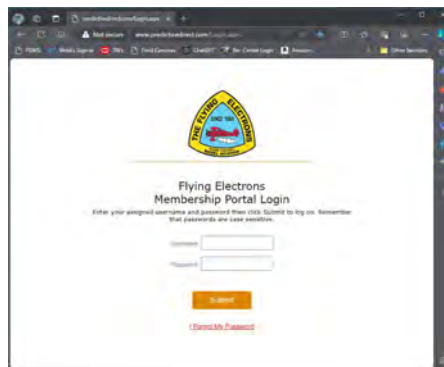


It seems incredibly superfluous and insipid to announce we had a successful first club meeting for 2024 last week, but I'll lead with that platitude for lack of inspiration if nothing else. Things are going well for the Electrons and ideas abound for making the club even better, thus the meeting to air these ideas out and separate the absurd from the sublime. I'll summarize:

The books indicate a solid financial footing with the club balance very close to last year's balance and that accounts for a new roof and replacement of the mower and charging system upgrades in 2023.

There are no grand designs for capital improvements as yet, although ideas for emergency preparedness including the purchase of Automatic External Defibrillator (AED) were discussed at the meeting. This also piqued awareness and discussion related to overall emergency preparedness which is a good idea no matter what is decided on the AED. Following the

See **PREFLIGHT** on Page 3.



### Member Database Portal Soon Available to Members.

As a club member you'll soon receive an email offering you access to the club's Membership Portal.

The portal was design and implemented to streamline the enrollment and membership renewal process, to track, manage and report on raffles, and to allow members the ability to manage and maintain their own contact information.

Why a Membership Portal Now?

For many years club member information was maintained in handwritten form. As technology evolved, member information was later moved into a spreadsheet environment where it was maintained for many years.

(See **PORTAL** on page 4.)

### Issue Highlights

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Next Club Meeting!

**Sunday, April 14th**  
**DeMarini's Restaurant**

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# Last Chance to Renew!

Everyone needs to renew their membership each year. This applies to general members, STEM Students, and individual Family Membership individuals within a household.



**If you've not already renewed your membership, failure to do so before March 31st could expose you to another \$50 Initiation Fee.**

It's no longer just a \$10.00 late fee.

On April 1st we begin a new budget year. Members that have not renewed are "INACTIVATED" in the database, and removed from our email list. The AMA requires that we re-

move inactive members from the participating club roster as well. This takes the time an effort from someone to maintain this.

If you decide to rejoin later, someone has to undo all of this and reinstate you in the AMA club roster.

It's a lot of "busy-work" that we just don't need.

If you don't plan to renew, then we'll be sorry to lose you.

If you plan to renew eventually, **then please do it now!**

It will save us all some time and effort.

Please remember that your AMA expiration must carry you through the end of the year.

TJ

## Flypaper Contact Information

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*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.*

## Next Club Meeting

Sunday, April 14th

**7:00PM**

## De Marini's Restaurant

De Marini's Restaurant  
N88 W15229 Main Street



**PREFLIGHT** *continued*



meeting, Certified CPR instructor and Nurse Diana McGuan managed to keep our ragtag group of fliers in line long enough to complete the CPR training session.

Eight of our members participated. Seven received American Heart Association Certification. (The one outlier just had shoulder surgery and could not perform the CPR simulation necessary to get certified.)

Diana does the training free of charge for us, and will offer the training again in the future if other members are interested in getting the training. The efficacy of an AED is highly dependent on having an adequate number people trained to use it, so more CPR certified members would be needed for this to even make sense. Whether the club decides



to make the leap or not, having members trained in CPR is a good idea.

We are also considering the Field Clean-up Day, May 4th as an opportunity to run some practical CPR emergency sim-

ulations. We could also use this opportunity to invite the Menomonee Falls Fire Department to the field that day to discuss the club needs and familiarize them with the field location. If arrangements can be made for that day, we'll announce that as part of the Field Clean-up day.



**The Club Pattern Event**

An exciting opportunity has arisen for the club to host the Canadian FAI Pattern team trials during our pattern event on September 14th and 15th. This would more than double the participation in the event and offers an opportunity for us to showcase our club and hobnob with hotshot international pattern competitors.

You might ask why a country as vast and sparsely populated and

*(Continued on page 7)*

**Steve Huelsbeck Elected Vice President of the RC Association**



The recent RC Association Swap Meet was considered a success with larger turnouts in both traffic and vendors over

previous couple of years.

During the Event Steve Huelsbeck serves as auctioneer during the day to help keep items moving through the sales pipeline.

This year he can add to his accomplishments, his election to the post of Vice President of the Association.

Congratulations Steve!

Steve also wanted to thank Flying Electron volunteers that helped to make the swap meet a success.

A special thanks goes out to the following members:

- James Beckley,
- Scott Bernard,
- Doug Colton,
- Ken Pressman,
- Greg Brunsch,
- Paul Mc Guan, and
- Jeff Surges

Swap Meet volunteers received FREE admission to the Meet, and will also receive 5 FREE club raffle tickets to be used during any event held throughout the year.

Thanks guys!

SH

Although Excel provided a great deal of benefit in adding and maintaining member information, it also had its downside.

What was needed was a way to keep data up-to-date but available to club officers and newsletter editor as needed.

Now, with a few keystrokes, a member name can be searched and displayed from our database. Although we still need to enter first-time new members, renewals are handled through a few clicks of a mouse and stored and categorized by year. Data is no longer "overwritten" and the club can generate historical reports which track membership numbers over the years.

If a member drops and then returns a few years later, that member can be easily restored without typing all the new member information that would have been lost under the old system.

### It Doesn't Stop Here.

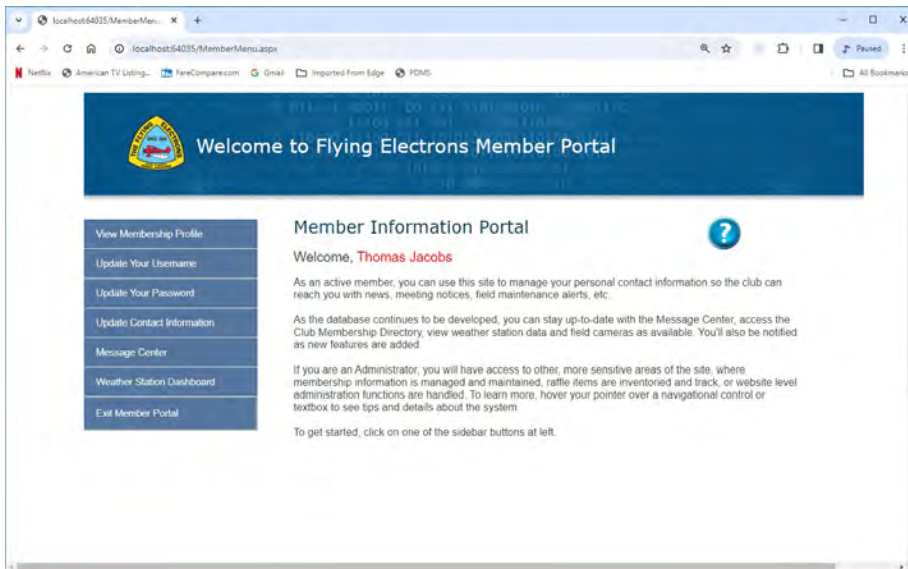
Under the Member Portal, there is no future need to fill out membership cards or hand address envelopes to complete the enrollment process.

The system provides a mail merge process that generates new member and renewal cards automatically as a batch process rather than one-at-a-time. This way, a collection of member renewals can be processed and mailed in batches.

### Other Features of the System

It's true that the Portal has been in use for the last two years. Over that time, it has received many updates which mostly focused on administrative functions like, enrollments and renewals.

It now has the capability to generate reports in real time using



Because it's a singular flat file of information, it required that a central figure take ownership to maintain it. Expecting a single individual to manually maintain all club information led to delays in updates, loss of club data for historical reporting purposes, inaccurate email addresses, member contact information, etc.

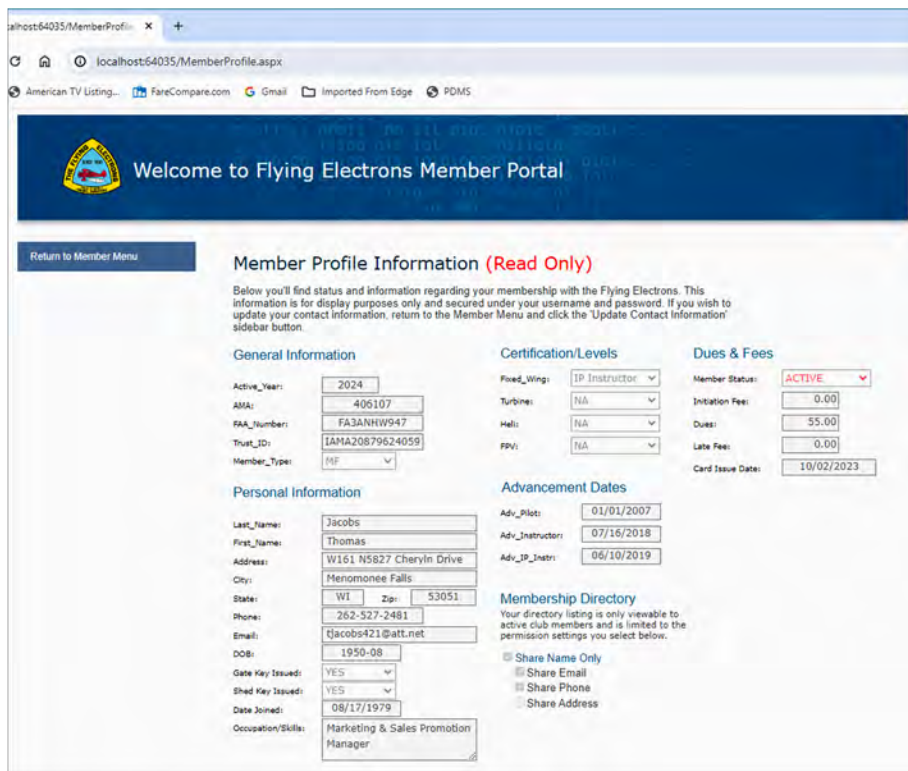
To get around this, copies of the Excel file were made and shared by club officers responsible for various tasks like new member enrollments, renewals, and newsletter publishing.

Over a short period of time, these files grew out of sync as new members joined or renewed. Thus the newsletter editor working from one file, might not know of the new member for months, leaving the new member

To resolve this problem, a central repository of club information, or database, was created which could be accessed by anyone authorized to use it. This way updates to club member information could be made in real time and be immediately available to others managing other club related tasks at the same time.

### Streamlined Enrollment Process

In the past, enrollments and renewals were a total manual process. The member information had to be entered into the sheet or located. It had to be updated, which overwrote any previous information. A new membership card had to be filled out by hand and then stuffed into a hand addressed envelope.



historical data going back to 2017.

One of the most significant benefits of the new system is its ability to track our raffles and their return on investment (ROI.)

Because our membership cycle and event schedules run on a calendar year basis and our accounting runs on a fiscal year time table, it's been very hard to evaluate success or failure of our raffles.

The Portal provides a means to tack inventories of items, their expense and the amount of revenue they generate as they are used. Because the database allows us to track them by event, we are able to determine exactly how well they are doing for the club.

This has enabled us to make some wise decisions on how and when to used raffles in the future, to maximize returns.

At the end of last year, Silent Auction tracking was added to the Raffle Manager tool. This allows us to track silent auctions as another avenue of income for the club.

As we continue, new features and tools will be added to assist the club in making responsible decisions

### You're Now Keeper of Your Own Contact Information.

Soon, you as an active member in the club, you'll receive an email with an embedded link. Clicking on that link will take you to a special page within the Member Por-

tal. This page will ask you to create a Username and Password that you'll use to access the Portal in the future.

A link to the member portal will also be added to the club website for future access.

There are only a couple rules that you must follow as you get started.

First, where as other websites allow you to use your email address as a username, YOU WILL NOT BE ABLE TO USE AN EMAIL ADDRESS AS EITHER A USERNAME OR A PASSWORD IN THIS SYSTEM.

Email addresses are set aside exclusively as a method of contact with you, and are maintained and updated as part of your personal contact information.

When creating your Username and Password, review the list of special characters that are permitted for each entry.

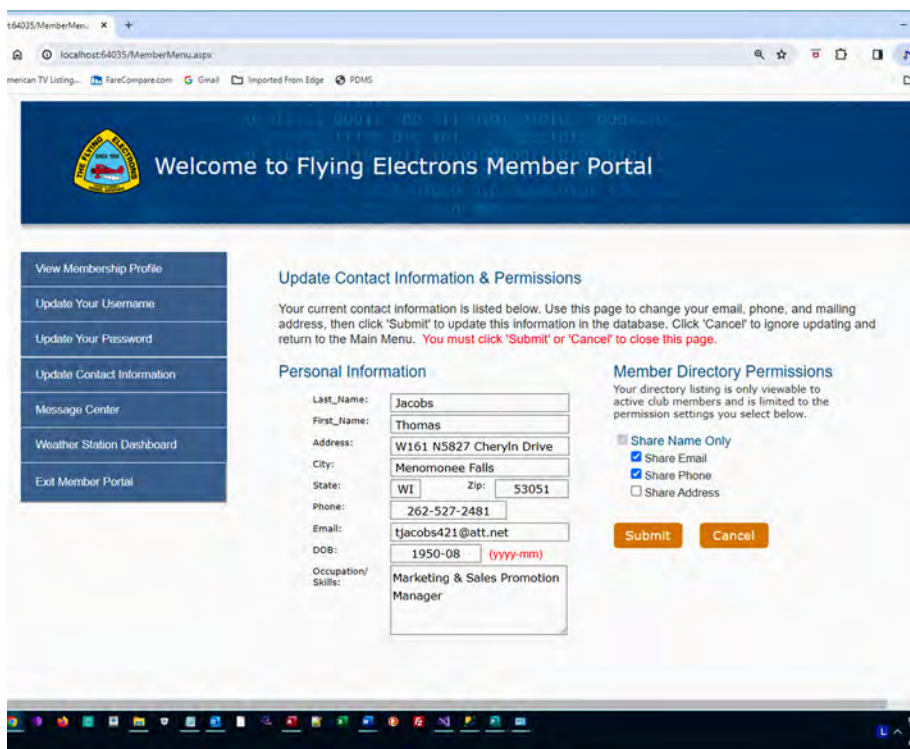
### Report Issues.

This is the initial public release of the Portal. Although we have tried to anticipate all possibilities, there will be bugs to uncover.

If you should encounter a problem, we would appreciate it if you report it. You can do this by clicking on the (?) symbol displayed on the Member Menu page of the site.

This will present a message box that you can use to report an issue if you find one.





When entering your message , please be as detailed as you can. That will help us locate and replicate the problem so it can be taken care of.

### After Initial Login.

Once you log in, you can review your Member Profile. This is status information about your membership in the club. You will not be able to update information on this page. This page is offered to provide transparency regarding the information stored regarding your membership.

### Updating Username & Password

At any time you may again change your Username or Password by simply clicking on the appropriate left sidebar button. When updating either of your

login credentials, you must follow the special character limitations as listed on the page.

### Updating Your Contact Information

It's important that you review and update any contact information that may appear incorrect. If at some time, you change your email address, this is the page where you will do this.

It would also be helpful if you would complete the "Occupation/Skills" box at the end of the page. This lets club officers know what kind of knowledge or skills you have that might be useful to the club.

## Message Center & Member Directory

Both the Message Center and Member Directory are under development at this time. We will notify you via email when these two features are operational.

## Weather Station Dashboard

The weather Station Dashboard is a single page display which combines weather station data and our club's field cameras.

Once the cameras are put back into service for the 2024 year, this page will be made operational.

## Message Center

Message Center is also still under development. It is designed to post short bits of headline news to club members. Here members can check in to get time sensitive notices from the club such as, a change in club policy, last minute swap meet by a local area club, new of a lost & found aircraft, etc.

## Contact "System Administration" Anytime

You can contact the System Administrator at anytime by clicking the (?) symbol that appears on the Member Menu page.

Select one of the checkbox categories and then submit your comment and/or request and we'll try to respond as soon as possible.

TJ

**(PREFLIGHT** *continued*

Canada could not find a place to host this on their own sovereign soil? Joe Burzinski explained that the Canadian counterpart to the AMA did not petition the Canadian Aviation Authority (Transport Canada) to waive the 400' altitude limit. The FAI trials, which require the planes go higher than 400' as a result, could not be conducted in Canada this year.

This is yet to be finalized but further inquiries are in progress to see if the expanded event can be arranged. (Note: Steve Huelsbeck announced that both Astro Wings in Grafton and the Sky ranch Flyers in West Bend have offered to host pilots from the Flying Electrons that are displaced due to the field being closed for the Pattern event.)

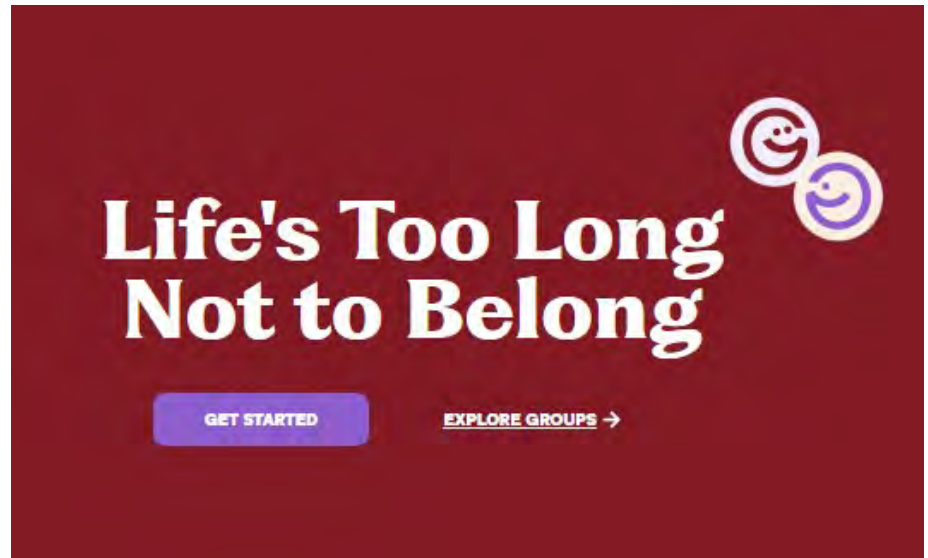
## Flying Season Approaches

The unseasonably warm winter has offered many extra days of flying and the field has been in good flying condition for much of the winter.

I learned the hard way not to taxi through freshly fallen snow, but only after I took the plan home, placed it on the bench and found a pool of water had saturated a sheet of plans after the snow in the wheel pants melted.

It was still worth it. Besides, we don't have to shut down flight ops while Doug and his myrmidons mow the field.

PM



## Grouper Pays Off!

Last month I reported on my efforts to enroll in the AMA supported Grouper Health Benefit Program (formerly known as Element3.)

If you recall, this is the Health & Activity benefit program that rewards members of active organizations for participating. The AMA is one such origination that has partnered up with Grouper to provide FREE AMA memberships if you are an active member of a club under the AMA.

I was reluctant, but thought that if this program is what they claim it is, it would be worth while checking it out.

I filled out the online application in January 2024. In February I received an email stating that I was accepted under their cooperative Health Insurance plan.

I then received a call from one of their representatives later in February asking, under what plan was I enrolled under the AMA. I

told them the annual senior membership plan. During the call, they said they would verify that I am enrolled with the AMA under the Flying Electrons membership roster and that I should be receiving a check within the next 30 days.

Just yesterday while I was completing this newsletter a check arrived for \$65.00 which covered my AMA membership fees for the 2024 year.

So, I can report that the offer is on the level and that anyone that is a member of the AMA and the Flying Electrons with a qualified insurance plan should see the same results as I.

The company works with nearly all the nation-wide insurance carriers. While filling out the application several but no all the carriers are listed.

*\$65.00 Is a nice rebate, and just another reason to get your membership renewal in before it expires.*

TJ

# Getting Started in RC



## How to Power Your Aircraft

Last month we talked about the care and maintenance of batteries. This month we are diving into power sources. But first, it's important that we spend just a little time on the choice between RTF's (Ready-to-Fly) and ARF's (Almost-Ready-to-Fly) as a platform for RC.

The reason we need to do this is because if you choose to purchase an RTF aircraft starting out, your decision on a power source will be already be made for you and you won't be able to change it. For RTF trainers, there is no way around it. The package components are specific to the aircraft.

If however, you choose to purchase an ARF aircraft, you have more work to do to setup your aircraft for flight but you also

have many more options from which to choose in how you set it up. ARF's allow you to choose what type of power source you want to employ. They also allow you to choose how much power you wish to install in your aircraft. As a rule, you should always install a little more power than you need for an aircraft. This provides you with the ability to access that power when you really need it to get out of trouble while in the air. With an RTF trainer, you get what you get in the package ... no options.

I personally like the ARF type of platform because it gives me the choice of either electric or nitro as a power source. Which one I choose depends on the aircraft but I like both for a variety of reasons that we'll explore later.

## Deciding on a Platform

First you must decide whether you want to purchase an RTF or ARF platform aircraft. If you choose RTF then the rest of this article will be educational and worth reading. Starting with RTF aircraft is a good choice for many new students because it gets you into the hobby quickly without much effort.



Most trainer RTF's provide a complete package to include radio transmitter and receiver, so their purchase price will be a little higher to start. If you choose that route, be sure that you select an aircraft and transmitter combination that can take advantage of "buddy box" technology. Many RTF packages do that very well. Our last issue of FlyPaper mentioned three you could consider. Those RTF's that include either a







Futaba or Spektrum radio system are good choices.

If you are thinking about choosing an ARF, then you need to decide on a power source and radio system. We'll talk more about radio systems next month. This month we'll focus on power sources.

### Power and the Aircraft

Most aircraft are specified by required engine size. Bigger air-



craft naturally require larger power sources. Nitro engines have been around for many years and

were the preferred power source of most modelers in the past. Only with the recent advancements in battery storage has elect power taken off and received widespread approval.

So, when choosing an aircraft as an ARF or even a kit, one of the specifications provided by the

manufacturer is engine size required to fly the aircraft.

Most manufactures will specify a power range, i.e. "suitable for .40 to .60 size engines." The decimal number refers to the cubic inch



displacement or volume of the cylinder of the glow or gas engine recommended.

The larger the cylinder the more power the engine provides.

When one talks about larger engines, especially those which run on gasoline instead of nitro methane, they size them in CC's or cubic centimeters.

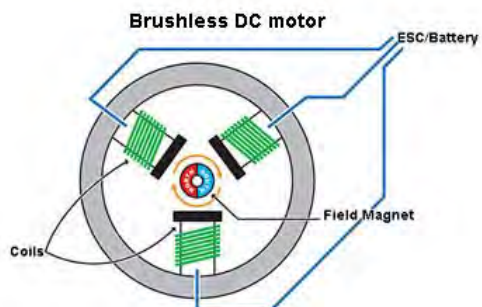
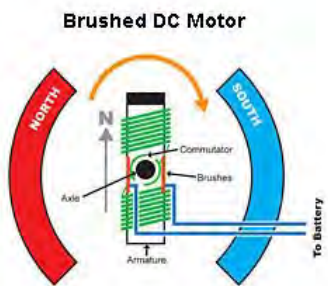
Because nitro engines were here before electrics, some electrics are gauged to compare with nitro's as power equivalents. Some electric motors will provide a conversion number that reflects what power they produce compared to a nitro engine. If this is not available, then you'll need to calculate it on your own. This is where our STEM training for students comes in, and we'll look at that in a later issue.

### Electric or Nitro?

The term "Nitro" has been used for years to describe model engines that run on a combination of Castor Oil, methane and Nitro Methane. When I was young, my dad and I used to mix our own fuel for these engines. I don't think that mixing your own fuel is even possible anymore because one can't buy the chemicals without ending up on a terrorist watch list. Times have changed.

Anyway, the term "Nitro" comes from the nitro methane chemical mix that the fuel is made up of. Now days, castor oil has been replaced with a synthetic blend. There are different blends of fuel made available that usually specify 5%, 10%, 15%, or more, nitro in the mix. When flying a glow engine the Nitro percentage has to do with how fast it will burn in the engine. The "glow plug" in your engine should be

*(Continued on next page)*



Let's look at some of the accessories you'll need once you decide on a power source.

### Electric Power

Here you'll need the motor, an ESC (Electronic Speed Controller), battery pack, charger and fire proof container to store your LiPo batteries. You'll likely want to own several battery packs and a charger that will charge several batteries at a time. This way, you can be flying your aircraft while your other batteries are charging.

When purchasing batteries and your ESC, you'll want to make sure that your batteries, ESC and charger have compatible connectors so they can plug into each other. There are XT-60 and T-Type connectors most commonly found in the market place for small to mid size power sources. Be sure that you choose

selected to match your Nitro rating to run most efficiently.

With advancements in battery technology, electric power sources have become very popular. Electric motors have been around for over 30-years but the use of them in model aircraft have been more experimental until the last 20-years or so.

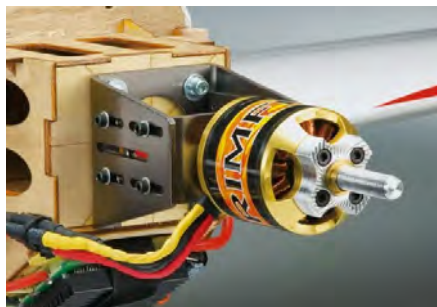
We now have brushed and brushless motors. We also have light-weight lithium polymer (LiPo) batteries and small circuit boards

treme aircraft of extraordinary size.

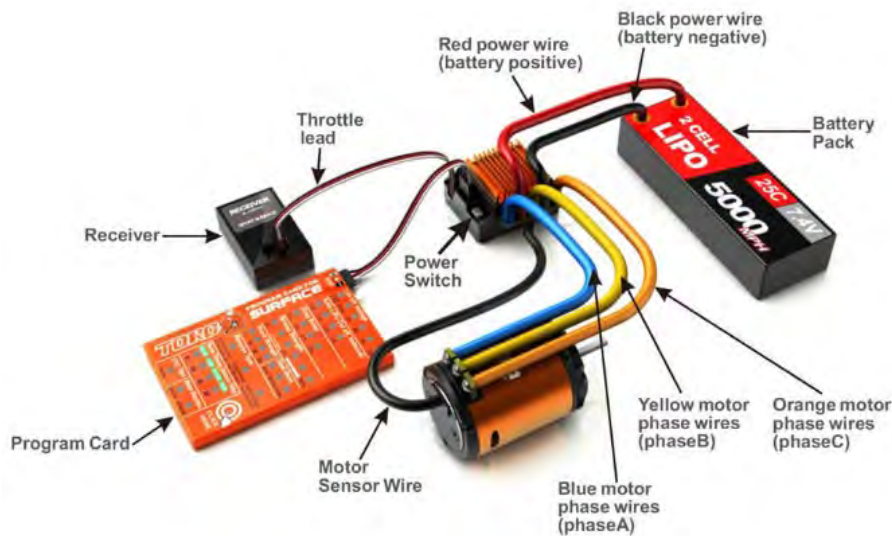
### Which should I choose?

Each type of power source has its pros and cons. How you feel about each of them can lead you in one direction or another.

Once you've decided, there are accessories that you must own to support your choice. When all are purchased, the cost for choosing one over the other is



called ESC's (Electronic Speed Controllers) that allow us to flow the power of a LiPo battery to the motor in a graduated way, through a receiver and directed by signals from a transmitter. How cool is that! In fact, electric motors have advanced so much that they can now power ex-



about the same, so you won't be able to decide solely on cost.

connectors that are compatible. Generally you'll want to invest a charger that will accommodate

*(Continued on next page)*

a variety of battery sizes and most importantly runs on both AC and DC power source. This way you can take advantage of the club's solar powered charging stations located at the field of which we have four.

These stations can handle a vari-



ety of field charging needs but do require a charger that will run on 12 or 24 volt DC current.

With enough extra batteries, an electric pilot can fly all day using the Electrons solar charging stations.

### Nitro Power

When choosing a "nitro" or glow fuel engine as your power source, you'll also need the engine, fuel and glow starter as a minimum requirement. Most ARF's will already provide a fuel tank and acceptable glow engine mount for your aircraft.

These engines are often called

"Glow Engines" because they ignite the fuel using what is called a "glow plug." This is similar to a spark plug used in gasoline engines but the difference is that gasoline engines require that a spark be generated to ignite the fuel, whereby with a glow engine, the plug just continues to "glow" red hot once the fuel is initially ignited. This constant "glow" keeps the engine running as long as it's receiving fuel.

I'm sure there is a more complicated and technical explanation for the difference but what I describe here is the main difference.

To start a glow engine, voltage is applied to the glow plug using the "glow starter," fuel is drawn into the carburetor by flipping the propeller until combustion occurs.

A needle valve on the engine allows the user to adjust the fuel mixture until the engine runs smoothly. Sometimes an engine

hand as described above, but you may want to invest a "Torque Starter" and Flight Box for convenience and easier starting.

The Torque Starter is a heavy duty hand-held starter with a rubber cup attached to the front. The cup fits up snug against the engine's nose cone and rapidly spins the nose cone and prop until the engine starts.

This is a faster and safer way to get your glow engine started because these engines can "kick-back" when too much fuel is applied and smack your fingers.

### Ouch!

### Still Tough to Decide?

If you still can't decide, I've put together a case scenario with estimated costs that may help you make a more informed decision. The costs and components were selected from online RC stores but please keep in mind

Components	Electric	Glow Engine
Avistar Aircraft	\$ 150.00	\$ 150.00
Engine or Motor	\$ 100.00	\$ 160.00
4 Batteries/5 Gallons Fuel	\$ 160.00	\$ 150.00
Electronic Speed Controller (ESC)	\$ 25.00	
Charger	\$ 110.00	
Glow Starter		\$ 25.00
Torque Starter		\$ 32.00
Flight Box		\$ 25.00
LiPo Storage Box	\$ 25.00	
<b>Total Cost</b>	<b>\$ 570.00</b>	<b>\$ 542.00</b>

will need to be "primed" by adding a couple of drops of fuel into the carburetor to boost the starting process.

Glow engines can be started by

that your local hobby shop also carries these items at a competitive price or, they can get them for you.

*(Continued on next page)*



The chart reflects costs associated with both electric and glow engine power source choices. The costs below do not include a radio system which could run between \$150 to \$250 including servos and receiver battery pack, so you would need to add those costs unless you are part of the Flying Electrons Builder's Workshop Program.

Also, costs above outline what's needed to enjoy a full summer of flying.

For example, one can enjoy approximately 250 twelve minute glow engine flights for the summer, or 500 six minute flights using electric.

These are just estimates but should be pretty close to what you expect at this time.

There are a lot of choices out there and no one ever said that you can't choose both. I personally have a collection of nitro aircraft and a couple of lesser electrics that I fly all the time. I also have a few large scale gasoline models.

It's actually great to have both so that you can enjoy what both have to offer.

TJ

March 2024 General Membership Meeting

# Show & Tell!



**Jerry Schneeweis** presented his Dynam Grand Cruiser (AKA Cessna 310) sporting a 50" wingspan, 100 KV multi-engine craft. It requires a 40 Amp ESC and includes flaps, lights and retracts.



**Ed Malec** showed off his 4th Skynetic Swift. He must really like them. They are large, light weight, 3D and durable. If it goes down, it's easily repaired. Cons include fragile hinge material and small wheels.



**Jame Beckley** showed off his Flite Test Raptor and Zero. Zero is a small 30" wingspan with 3S power. The F-22 Raptor is a 20" unit. Both came in at about \$100.



**Ryan Beckley** Brought in his monster SU-35 Flanker-E with vector thrust. Made by Freewing, this aircraft has a 1080 mm wingspan and a 1630 mm fuse. Two 2200 KV motors EDF powered by 6S 3700 mAh battery packs.

# MEETING MINUTES

Meeting Date: March 10, 2024

Meeting called to order at: 7:05PM

Number of attendees: 23

Recognize New Members in Attendance: NONE

Recognize Promotions Last month: Mark Uttke, graduated from Student to Pilot

Recognize Guests in Attendance: NONE

## **CLUB FINANCIALS:**

- > Mark Polzin reported on club cash balances.
- > No expected major expenses for 2024.

## **MEMBERSHIP NUMBERS:**

- > Mark Polzin reported 102 members to date
- > 15 Members not yet renewed
- > Closing date for renewals, 3/31/2024

## **STUDENT TRAINING**

- > Tom Jacobs reported 15 individuals interested
- > About 7 appear to be genuine
- > 50% of those are STEM related

## **OLD BUSINESS:**

- > No old business sited

## **NEW BUSINESS**

> Paul McGuan reported that RC Association Swap Meet was a success.

> Largest contingent of volunteers came from the Electrons

>Members recognized for volunteering were ...

James Beckley, Scott Bernard, Doug Colton, Ken Pressman, Greg Brunsch, Paul Mc Guan, and Jeff Surges.

> Steve Huelsbeck was elected Vice President of the Association to a round of applause.

> It was announced that each volunteer would receive 5 volunteer raffle tickets for their efforts at the Swap Meet.

Paul also announced that CPR training will follow the meeting

## **PATTERN EVENT**

Paul announced that the Electrons may be in a position to host the Canadian FIA Pattern Event in conjunction with our own

- > This would effectively double the number of participants
- > SkyRanch and AstroWings have invited other FE members to fly at their field during the event.

## **NEW ONLINE MEMBER PORTAL**

Tom Jacobs announced the upcoming launch of the new Member Portal to attendees.

> The Portal will allow members to manage and update their contact information so they continue to receive timely updates on club news and events.

- > Other features will be added over time.

## **OPEN FORUM:**

- > No new issues were brought up

The meeting was adjourned at 7:35PM.

*Respectfully submitted:*

*Tom Jacobs, Vice President*





The Flying Electrons of Menomonee Falls Present

AMA Sanction No. 16199

The 2024 Cliff Evans Memorial

# RC Scale Festival

**Sunday July 14th, 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](mailto:chrismilb@att.net)  
Check the Flying Electrons website for more details at [www.flyingelectrons.com](http://www.flyingelectrons.com)

**LOCATION: N61WI7000Kohler 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.



*Our Biggest Event of the Year!*  
The Flying Electrons of Menomonee Falls Present



# AirFest 2024

## What You Need to Know!

- Enjoy food & refreshments available at our concession
- Huge public and RC raffle with an array of great prizes!
- 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
- \$6.00 Landing Fee for all pilots

**Saturday, August 10th  
9:00AM to 2:00PM**

(Rain Date: Sunday, August 11th)

All public proceeds go to benefit  
local area boys and girls scouting!

**OPEN TO THE PUBLIC**  
**Spectators Welcome!**  
**BIG NOON RC AIR SHOW!**

**\$6.00 per car load**

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

For more information, Logon to  
**[www.FlyingElectrons.com](http://www.FlyingElectrons.com)**

Event Director: Tom Jacobs Phone: (262) 527-2481 Email: [tjacobs421@att.net](mailto:tjacobs421@att.net)  
(This is an Academy of Model Aeronautics Sanctioned Event # 16132)


 The Zelle logo is displayed in white text on a purple rectangular background. The word "zelle" is in a lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right of the letter 'e'.

## The Flying Electrons Now Accept Electronic Payment For Renewals Using Zelle

After many requests, we've setup an account using Zelle for the electronic payment of new memberships and renewals. The process is easy but still requires that you complete the club membership application and confirm your AMA membership and FAA Registrations by submitting a copy of each either electronically or via mail to our Secretary/Treasurer for verification.

The steps to pay electronically through Zelle are simple.

Most all banking institutions now offer Zelle as an electronic or mobile payment option. To get started using Zelle for membership renewals, do the following:

### STEP 1 - Email Files You Will Need

1. Complete your renewal or new membership application using the PDF template located on the club website under the "JOIN" button
2. Save your application on your PC
3. Scan your FAA Registration and save it to your PC
4. New Members - scan your TrustID and save it to your PC
5. Scan your AMA card and

save to your PC

### STEP 2 - Setting Up Zelle For Payment

1. Go online to your banking institution and look for the Zelle payment option
2. Click to create a Zelle payment account and follow the instructions to set up payments to the Flying Electrons



3. The account to use for payments to the Flying Electrons is [Mpolzin1234@gmail.com](mailto:Mpolzin1234@gmail.com)
4. Once account set up is completed, refer to your membership application and note the

total due for renewal or new membership

5. Indicate that amount to be paid in Zelle (you can also choose what day the payment is to be sent)
6. Click send payment

### STEP 3 - Send Your Application & Documents as Email Attachments

1. Send an email to Mark Polzin, club secretary/treasurer, indicating that you wish to renew or join using Zelle.
2. Attach your membership application, FAA registration, AMA membership card, and TrustID (if this is a new membership, TrustID only needs to be submitted once)
3. Click SEND Email
4. You will receive an email from your banking institution verifying your electronic payment

### Your renewal or new membership is now complete.

This is our initial venture into electronic payment for new memberships and renewals. I know that it looks like a lot of steps but most of these are one-time steps that need to be taken.

But, if you're not ready to take



# 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 Tamarack Airfield for personal flying
12. Attend monthly club meetings to learn about various model aviation issues

*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](mailto:tjacobs421@att.net).*

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.



# Train with a Knowledgeable Instructor and Learn to Fly on Your Own ... Absolutely FREE!

[Click Here to Use Our Online Form](#)



Our knowledgeable IP Instructors are here to assist you with flexible scheduling.

Our IP flight instructor training program is designed to get you into the air on the very first day. When you sign up you be able to train at a time and day that's convenient for you using our safe and reliable "Buddy Box" system. There's nothing you need to provide. We have trainer aircraft and radio systems available for use for your training.

Our goal with this 60-day program is to teach you the fundamentals of model aviation, flight control, and flight safety. You'll learn the guidelines for use of the air field, how to set up and aircraft, how to use radio control systems, take-off and landings, procedure turns, loops, rolls, and more.

Once you submit your information below, we'll connect you with an instructor that can accommodate your schedule to set up a convenient training schedule. All training is conducted at our well appointed Tamarac Airfield located at N61 W17000 Kohler Lane.

**There's no cost or obligation to find out if RC Modeling is right for you. Simply complete the form at right and then click Submit to get started.**

## Training Request Form

Name:

Address:

City:  State:  Zip:

Phone:

Email:

What is your age?

Your is your status?  Student  Employed  Retired

What days of the week are you available for training?

Mon  Tues  Wed  Thurs  Fri  Weekends

From the days above, indicate the time of day you can train?

Mornings  Afternoons  Evenings

Comments or Questions?

**Submit**



The Flying Electrons of Menomonee Falls, N61 W17000 Kohler Road  
Website: [www.FlyingElectrons.com](http://www.FlyingElectrons.com) Email: [FlyingElectronsWI@gmail.com](mailto:FlyingElectronsWI@gmail.com)

# 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, 1-800-1 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	\$
<b>Additional Costs</b>		
Add if renewing after January Club Meeting	\$5.00	\$
Add if renewing after February Club Meeting	\$10.00	\$
<b>Deduct if you paid initiation fee previous year</b>	<b>-\$20.00</b>	
STEM Student Membership (Must be Solo Pilot certified)	N/C	
Calculate Total Membership Cost Here	\$	0.00

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.



## 2024 Flying Electrons & Local Area Events Calendar

Date	Time	Event	Location/Club
Sunday, Mar 10th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, Apr 13th		Model Engine Collectors Assoc (MECCA)	Collecto & Hobby Swap Meet
Sunday, Apr 14th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, May 4th	9:00AM to 12:00PM	Field Clean up Day	To be confirmed
Sunday, May 19th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, Jun 1st		Circle Masters Flying Club	Control Line Open Fun Fly
Saturday, Jun 8th		Fond du Lac Aero Moderlers Assoc.	Open Fun Fly
Saturday, Jun 8th	9:00AM to 2:00PM	Annual Club "Fun Fly"	Electrons' Airfield
Sunday, Jun 9th	9:00AM to 2:00PM	Annual Club "Fun Fly" (Rain Date)	Electrons' Airfield
Sunday, Jun 9th	7:00PM	Club Meeting	DeMarini's Restaurant
Saturday, Jul 20th		Astrowings of Wisconsin	Charity Fun Fly
Saturday, Jun 22nd		Sky Ranch Flyers	Fun Fly
Sunday, Jun 23rd		Circle Masters Flying Club	Bob Gialdini Memorial Control Line Contest (Sussex)
Sunday, Jul 14th	9:00AM to 2:00PM	Scale Event	Electrons' Airfield
Sunday, Jul 14th	7:00PM	Club Meeting	DeMarini's Restaurant
Sunday, Jul 21st	9:00AM to 2:00PM	Electric Event	Electrons' Airfield
Monday Jul 22nd to Sunday, Jul 28th		Circle Masters Flying Club	EAA Kid Venture, Oshkosh
Saturday, Aug 3rd		Milwaukee Area RC Society	Float Fly, Bong Rec Area
Saturday, Aug 3rd		Rubicon Area Flyers	Fun Fly
		Circle Masters Flying Club	Annual Control Line Contest
Saturday, Aug 10th	9:00AM to 2:00PM	AirFest 2023	Electrons' Airfield
Sunday, Aug 11th	9:00AM to 2:00PM	AirFest 2023 (Rain Date)	Electrons' Airfield
Sunday, Aug 11th	7:00PM	Club Meeting	DeMarini's Restaurant
Thursday, Aug 15th to Aug 17th	All Day	Warbirds & Classics Over Wisconsin	Fond du Lac Aeromodeler's Assoc.
Friday, Aug 23rd	7:00PM to 10:00PM	Night Flight	Electron's Airfield
Sunday, Aug 25th		Circle Masters Flying Club	Demo Flying Sussex Antique Farm Implement Show
Sunday, Aug 25th		Racine RC Club	Open House
Saturday, Sep 7th	8:00AM to 2:00PM	Club Swap Meet	Electrons' Airfield
Sunday, Sep 8th	8:00AM to 2:00PM	Club Swap Meet (Rain Date)	Electrons' Airfield
Sunday, Sep 8th	7:00PM	Club Meeting	DeMarini's Restaurant
September 8th		Watertown Aeromodelers RC Club Pancake Breakfast	Watertown Municipal Airport
Saturday, Sep 14th	All Day	Pattern Event (Field Closed)	Electrons' Airfield
Saturday, Sep 15th	Most of the Day	Pattern Event (Field Closed)	Electrons' Airfield
Saturday, Sep 14th		Rainbow Aeromodelers (RAMS)	Club Only Picnic
Sunday, Sep 22nd	10:00AM to 2:00PM	FrankenPlane/Builder's Challenge	Electrons' Airfield
Sunday, Oct 13th	7:00PM	Club Meeting - Officer Nominations	DeMarini's Restaurant
		Makers Faire	Discovery World
Saturday, Oct 5th		Model Engine Collectors Assoc	Collecto & Hobby Swap Meet.
Saturday, Nov 2 to Sunday, Nov 3rd		Maker's Faire	All clubs invited to participate
Sunday, Nov 10th	7:00PM	Club Meeting - Elections	DeMarini's Restaurant
Sunday, Dec 8th	6:00PM	Holiday Party	DeMarini's Restaurant