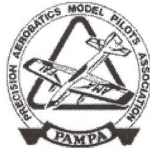


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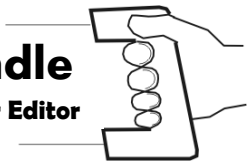


Circle Masters Circulator

Newsletter of the Circle Masters Flying Club
Milwaukee Wisconsin
Academy of Model Aeronautics Chartered Club # 662
October 2017 Volume 14 issue 10

At The Handle

Ramblings from your Editor



If you would like to contribute material, please submit to the address on the cover or contact me at (715) 697-8458 I may be reached via e-mail at clmodman@wctc.net

Hello *Circulator* fans, welcome to the last issue of the *Circulator*. I have been to the Maker's Fair and I have seen the light. I am throwing in the towel on model airplanes and from now on I'm going all in on making myself some giant squirrel costumes, life sized Doctor Who deerlicks or whatever the hell they're called and all other manner of whacked out stuff. Ok, that was a load of bull, but now that I have your attention, it's probably just as well that VP Melissa wrote us up a report about the Maker's Fair because we all know how mean and hurtful Big How can be. Or, what I like to refer to as "realistic". Actually, there was some cool stuff there like the fighting robots and wild light projection projects. Then there was a bunch of other stuff too. That's it for me on this topic.

We have some other good things to consider this month. First there is Dave's idea for a building contest. I vote it's about time we did something like this. You have eight months to get a model together for this deal, that should be plenty of time for even you. We need a fun activity. Many of our events end up being geared towards community relations as much as they are about enjoying the hobby. Dave's idea is one just for those of us members of the *inner circle*. That was a good one. I got a million of 'em. Anyway I hope Dave is at the meeting to finish fleshing this idea out. I already started on my project since he backdated it to September 1st to make sure this is a new project and not some old dud you have had laying around the shop half finished for the last five years.

As long as we are talking about Dave, I just thought you should know he is not that bad of a guy, and he is always thinking about the club. Dave put together an article for us dealing with replacing metal flying lines with super space aged miracle lines made from Spectra type fishing line. It sounds like combat fellas are leading the way on this and nobody is tougher on lines than combat flyers. Give it a read and thank Dave for writing this piece, then go write one yourself and send it in. Wow! I just realized that Dave also reminded us that October 7th is Ringmaster fly-a-thon day for 2017. That's an information trifecta for our webmaster. Bring your Ringmaster to the meeting and fire it up or amp it up, if that's what electric guys do to try to make electric motors sound cool. There's a place to send in the info to get counted with all of the other Ringmaster pilots. It should be easy to find more about this online.

Faithful member Don sent a flyer for the upcoming MECA Collecto for inclusion. The event takes place on Saturday also, but it starts early enough that you can stop in before the meeting and then run over to Sussex in time for the fun. Support Don on this, he shows up for virtually everything the club does and we should back him on this model airplane activity. Who knows, maybe you will find a treasure you always wanted.

I threw together an article that I hope you find entertaining. Check it out. Come to the meeting, it's our last outdoor opportunity for this year and remember to bring your saved up allowance if you ordered anything from Sig through Chris S. so you can pay him for your stuff.

See you there,

Howard

CIRCLE MASTERS FLYING CLUB
Meeting Minutes for September 2017

The September meeting of the Circle Masters Flying Club was held on Saturday September 2nd at the Dan Tetzlaff Memorial Flying Field.

The meeting was called to order by Secretary/Treasurer Wayne at 1:05 PM. The members, (12), had all received the latest newsletter and had reviewed the minutes of the last meeting. Those minutes were approved as published.

The treasurer's report was given by Wayne. His report was approved. At this point the meeting was taken over by Vice President Melissa.

REPORTS & ANNOUNCEMENTS: Wayne reminded the members that it is time for the annual charity donation. Following a discussion the members approved a donation the Honor Flight Program. Wayne reported that he has secured winter meeting rooms at the Sussex Library for only October and November. The rooms are closed during December due to sprinkler repair. Mike offered his business meeting room for the December meeting. The members approved. Wayne continued with a report on a search for a field box; nothing acceptable yet found matching the requirements.

OLD BUSINESS: Don, in a response to a question from the R/C association, asked if our club wanted to participate in the upcoming Maker Fair on the 23rd and 24th of this month. Following a bewildering discussion it was decided to participate. Jason reported that the Engine Club members were appreciative of our club participation over the years.

NEW BUSINESS: Pete brought up a question regarding dates for the 2018 club contest and following a brief discussion it was decided that Sunday June 3rd would work out the best. He will apply for that date.

WEB BUSINESS: None

All worthwhile business having been discussed, Melissa asked for a motion to adjourn. It was moved and seconded to adjourn the meeting at 1:50 PM.

SHOW AND TELL:

Submitted by: Wayne M. Schmidt, Secretary/Treasurer

09/22/2017

Makers Faire....thatsawrap! THANK YOU!!!! To all those that came to the Makers Faire to help out at the booth....we had a wonderful turn out. It was quite the experience with all the variety of interests represented from Dr. Whovians, R2 D2s, Robotic wars, Tesla coil and waterfall messages, how to cain a chair, make items with 3D printers (times 10...really, how many people need to display the same identical thing?!?) jigsaw on wood, rockets, welding and soldering, and of course.....AIRPLANES!!!

So Pros and Cons...

AIRPLANES! We were IT! There were no other planes represented either in full size or miniature except for the Jones' who had an airplane in attendance with a full scope of other R/C items. We had a very steady stream of people interested in hearing IN DETAIL about our models...."Hey, that's those R/C planes!.....OOOOH NO they are not, they are in fact CONTROL LINE! No expensive electronics needed, just a simple handle at the end of 2 linesit works like this!" We missed out on getting the video up and running the first day, and despite Don flattening a table and nearly taking out the tv and dvd player, we got it going the second day to lots of people pausing to watch and then talking to us about it. So I think that went over well. Having a model hooked up to the wings of a half A letting kids take ahold of the handle and wiggle the elevator back and forth was also worth the smiles and wide eyes of wonder. A few folks had seen us at the Sussex steam engine show prior to the Makers Faire event. The Dyna Jet garnered a lot of attention and I appreciated Don bringing the second engine to take apart demo how it works. We had enough people to get breaks to walk around and look at stuff, eat at the harvest fest outside which had great food options but MAN was it HOT out!! Guinness Record Breaking in fact!

We offered the opportunity for follow up on our hobby, club and planes by sharing an email, which 32 people took advantage of. I am still getting mail out to the last of these thanking them for their visit to our booth, inviting them to the next meeting and advancing follow up for the specific interests that they each had. We also had an invite extended to participate in a mini version of the Makers to be held in Elkhorn. Details to be shared and discussed at the meeting. Discussions were started about various invitations to have us do a flying demo at several high schools. We are also invited back to fly at the Makers next year but we have time to talk about that once we find out if any of the 32 initially interested folks follow through. I will have to negotiate space, fees either for them to pay us, us to pay them and charge for flying per person, and see what makes the most sense to go or not go to the Makers again.

Dave was correct in the spastic disorganization of the whole thing. Parking was charged, when told it was not going to be. Found out we had discounted parking to buy from Makers. State Fair parking and lot Nazi were none too friendly to deal with. The snacks and social portion was way disappointing especially following the long day. I have a survey to fill out which I would appreciate your comments to add to my own. It was easy to get in and out of the building, but the space was much less than what I thought was being offered and arranged. That aside, I enjoyed hanging with the guys, getting to know a few of our newest members, and visiting with some public that had a specific interest in us. Fingers crossed that some will become members in the near future.

Finally, as stated in the email I blasted out last, I hope to see new faces at the next meeting, so guys!! Let's make certain to be at the field early with trainers lined up at the ready for prospects to get a flying lessons! See you on Saturday! Give me a heads up if you will be there with a trainer please!

VP Melissa



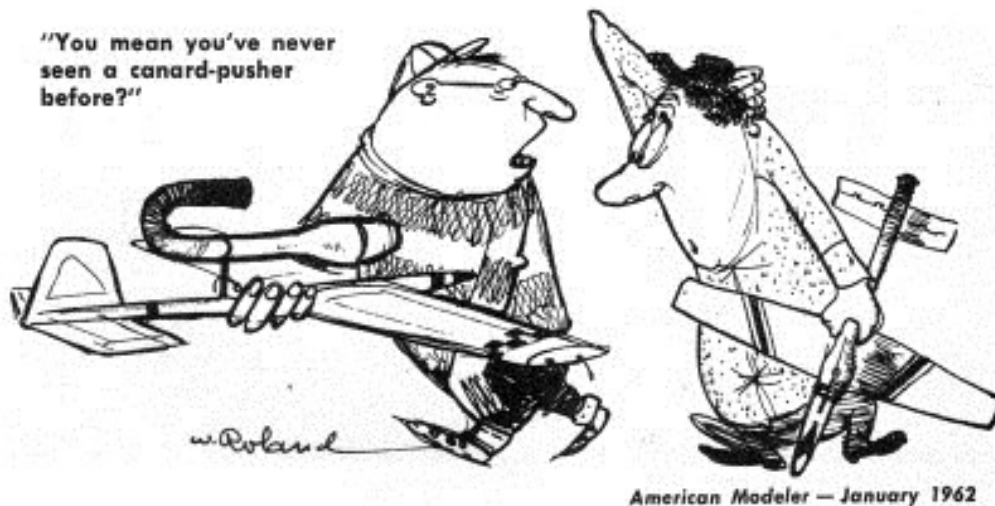
Upcoming Events

GO TO THE MEETING FLYING TIME IS RUNNING OUT

October Meeting: Saturday October 7th at Sussex Village Park. Meeting at 1:00 PM with flying before and after Last outdoor meeting of the year. Inclement weather moves the meeting to the Library. See location below.

MECA Collecto: Saturday October 7th at the American Legion Post located at 6351 West Grange Avenue, Greendale. 8AM until noon. Set up at 7:30. Contact Don for more info. Check it out before the meeting.

November Meeting: Saturday November 4th at Pauline Haass Memorial Library N64 W23820 Main Street in Sussex , across from Pggly Wiggly in the municipal complex for you newer members. Meeting begins at 1:00 PM with social hour starting at Noon. We need a movie or other presentation for this, please consider what you can do.



Spectra line:

As some of you know I am starting to use spectra line. It has a lot of advantages and only a few disadvantages over stainless steel line. The AMA has approved spectra line for use in control line sport, and demonstration flying. The combat contest board approved it for use in combat. Combat guys really like the stuff. It works well in line tangles, is very light cheap and easy to terminate.

I am testing several brands and type of knots of line statically. I am test pulling them to destruction.

Look for is braided line, do not mono or fluorocarbon line. Stick with a know brand like Power Pro or Spider wire. I have tried the Cabellas house brand; power pro and this reaction tackle all worked good for me. I have heard the cheap ebay stuff is not good.

I terminate my line sets with the knot shown in the rulebook. While other knots do work, this is the only one in the rule book (5 turn uni knot), and from a liability point of view that is the one to use. The knot does take a little practice to get right so I would suggest you make a few 1 foot test sections to get comfortable with the line and knot. A knot will reduce the line breaking strength by 20% to as much as 50%.

I pull tests my line sets. The test sets the knots and makes sure it all ok. No scale, just attach the line to a telephone pole and give it a good steady pull.

What size? Stainless steel has the following ratings (breaking strength)

- .012" 25 pounds
- .015" (1/64") 40 pounds
- .018" 55 pounds
- .021" 80 pounds
- .024" 100 pounds
- .027" 125 pounds

Since the knot reduces the load by as much as 50%, you need a line that is about 2 times the strength as stainless steel. 80 to 100lb would be a replacement for .018 stainless. Lighter line works well once you know how to ties the knots and test pull.

For 1/2a, I use 12 pound. But that is overkill. The pull test is 10x model weight. So a 10 oz 1/2a will not pull 12pounds.

Combat takes a different approach. They say the line diameters must match the stainless steel line sizes. The table below is from one vendor. The line is hard to measure the size, because it is soft. It's not an exact measure. Again 80 or 100 pound would be a good match for 018

RAT-	MM	INCH
• 10 lb (.14mm)	0.14	0.006
• 20 lb (.20mm)	0.2	0.008
• 30 lb (.28mm)	0.28	0.011
• 50 lb (.36mm)	0.36	0.014
• 80 lb (.48mm)	0.48	0.019
• 100 lb (.55mm)	0.55	0.022

One For The Wreckord Books

August and September were rough months for our airplanes. Let us review

This old combat ship from the donated stuff should really wow the fellas!



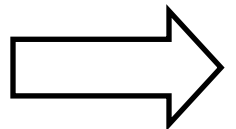
... That was awesome!



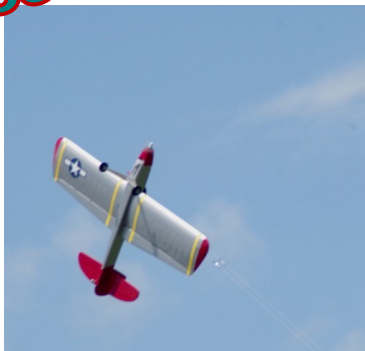
This is going to be my best pattern ever.



I meant to do that



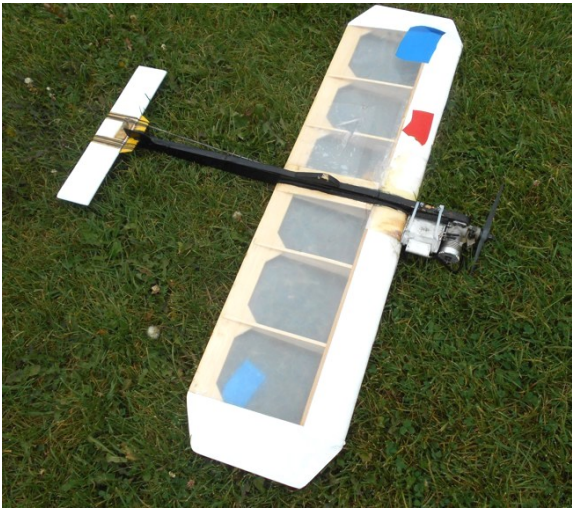
One For The Wreckord Books



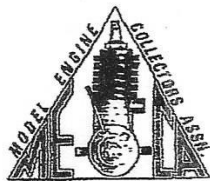
I sure want to make a good impression on my new club members



That's showing them how it's done



I Hate Everything!

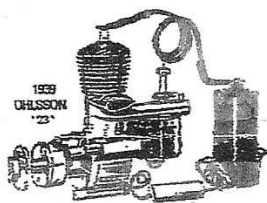


15th ANNUAL FALL IN WISCONSIN MECA Region 5 Collecto and Hobby Swap Meet



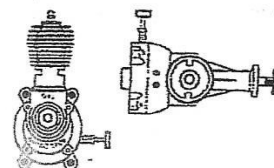
Saturday October 7, 2017: 8:00 AM – 12 Noon

(Set up at 7:30 AM)



American Legion Post # 416
6351 West Grange Ave.
Greendale, WI

Directions in Milwaukee from I-894 Bypass,
Exit #7-60th Street/South 1.2 miles to Grange Ave.
West 0.3 miles to Post #416



PUBLIC INVITED

**BUY-SELL-SWAP-TRADE-FREE APPRAISALS,
MODEL ENGINES, PARTS,
PLANES, KITS, CARS, BOATS, etc.**

Table: \$10.00 each MECA members (includes one admission)

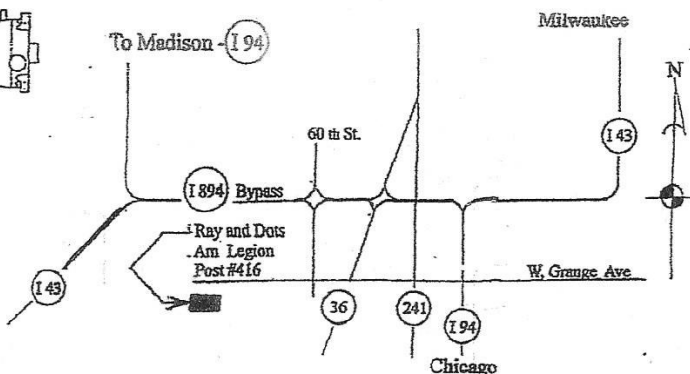
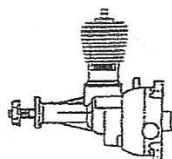
Table: \$15.00 non-MECA member (includes 1 admission)

\$5.00 General Admission (under 12 free)

Contact: Don Adriano (262) 677-2835

e-mail: exairtec@aol.com

Coffee & Donuts Available



HAPPY FLYING!

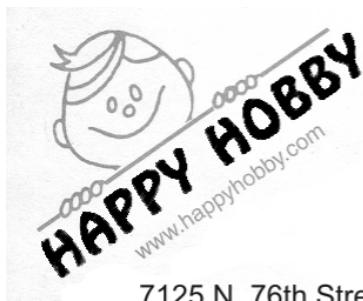


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