

The Marion Eagle Newsletter



<http://marionrcflyers.com>

MRCF

PO Box 9202

Rochester, MN 55903

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Editor: Wayne Brown

Club Officers 2018

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Flight Instructors: Ray Dray (507) 291-30 cell

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Skip.Gram@charter.net

Program Chairman: Open volunteer position

Club Dues accepted at the Club meetings or send your dues to:

**Marion RC Flyers
PO Box 9202
Rochester, Mn 55903**

Adult Membership \$75.00 per year

Family (Spouse) Membership \$75.00 per year

Student (19 years of age or under) \$1.00 per year

No Initiation Fee for New Members

*******No Winter Club Meetings*******

The MRCFlyers have discontinued all winter meetings. Club meetings will be held during the flying season.

After discussion at the club meeting it was decided not to have winter meetings at Bowlocity. Attendance has been low resulting in short the meetings. We can meet at a location TBD (Food court at Apace Mall?) for a December meeting to elect Club Officers. As that time approaches I will send out the names of any who have contacted me about volunteering to run for any office.

Electric Indoor Flying at the National Guard Armory

Wednesday's starting at 9:00 am.

Wayne's Corner....

The club End of Summer Fun Fly was held on September 22, 2018. It was a cool but very pleasant day. There was flying and great fellowship.

Dallas Gardner and his family provided their famous pulled pork sandwiches (remember last year). Everyone seemed to have gotten full on all the food and side dishes provided by club members.

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Since the outdoor flying season is ending the indoor is available at the Armory on Wednesday's beginning at 9:00 am. Last week there were five flyers and this week should see the numbers increase. The Armory has finished their remodeling project and all say the gym is even better for flying.

The invitation to indoor flying is open to all. After flying we go as a group to enjoy lunch together. Please feel free to join us.

The Student Flight Instruction Program has ended for the 2018 season. It will resume in June 2019

Beginner's Night: Wednesday afternoons/evenings. Contact our qualified Flight Instructors for free flight instruction. It is recommended that you make an appointment with Ray Dray or Skip Gram for flight instruction.

Call Ray Dray at (cell) 261-0930 or (home) 775-6933.

Call Skip Gram at (507) 273-2748

Student Flight Instruction Program

Student flight instruction is provided free of charge during the flying season, June through September, by one of our qualified flight instructors.

- Please call Ray Dray at ~~261-0930~~ (cell) or ~~775-6933~~ (home) or Skip Gram at ~~273-2748~~ to set up an appointment for flight instruction. They can answer any ~~questions you~~ have.
- You should read and understand the club rules that are posted online and at the field. If you have any questions have your instructor clarify them during the first flight lesson.
http://www.marionrcflyers.org/index.php?option=com_content&view=article&id=20&Itemid=16
- Please call our club instructor to make an appointment for flight training. This will assure that there will be somebody at the ~~field~~ to assist you.
- After completing your lessons you will need to join the AMA and our club to be allowed to fly at our club field. Join the AMA at <https://www.modelaircraft.org/joinrenew>. To join our club, contact Wayne Brown at ~~414-4106~~. Our membership forms found in the New Pilot Info link to the left.

The available instructors are listed below:

Instructor	Phone Number	Special Information
Ray Dray	261-0930 cell	Airplane Instruction
	775-6933 Home	
Skip Gram	2732748	Airplane Instruction

- If using your own airplane for flight lessons you should make sure your radio equipment has been charged and the switches are in the off position before you arrive at the field. If you do not own your own airplane you can use the club training aircraft at no charge to you.
- When you arrive at the field ask for your instructor. He will provide direction on where and how to set up the airplane for instruction.
- Pay attention to what your instructor has to say and show you. He will show you proper flying field procedures and etiquette. You can learn by observing how pilots set up and fly their aircraft.
- Relax and take your time. If you feel tired or worn out call it a day and schedule a lesson for another day. When learning to fly it may take more lessons than expected.
- When your instructor says you are ready you will complete a check flight, where you will be asked to do three takeoffs and landings, demonstrate the correct pattern and flying after successful completion you will then be considered a qualified R/C Pilot and allowed to fly solo without an instructor.
- You can request additional lessons at any time. These can include aerobatic maneuvers.

Meeting Minutes from September 12, 2018

Call to order: 7:00 pm

Officers present: Wayne Brown; Judi Snyder; Bernie Drier

Members present: 10

Treasurer's Report: Accounts in good order

Old Business:

We discussed the upcoming End of Summer Fun Fly September 22, 2018. All preparations are ready.

New Business:

None

Adjourn: 7:07 pm

Applying balsa skins to a wing

First make a poster board template of the wing. Make it a couple of inches bigger around. This template is used to determine the relative size of the wing skin needed. Then build up a wing skin by edge gluing balsa sheets together in the normal fashion. Don't use CA. It is difficult to sand. Elmer's or Tite Bond works well and is easy to sand.

When the skin has dried lay the template on top of the sheeting. Mark and trim the skin with a couple of inches extra around it. Lay the wing on top of the skin. Draw a line along the leading and trailing edge. Roll the wing forward and backward to locate these lines. Without moving the wing make marks along the leading edge line and marks along the trailing edge line for all the ribs. The wing is removed and the marks are connected with a line to show where each rib will come into contact with the skin. It should look like you have drawn a ladder on the inside of the wing skin. Do a second skin for the bottom skin of the wing.

Flip the skins over and finish sanding the outside surfaces until smooth. Then place the finished side on a piece of foam sheet packing material or a suitable substitute to prevent scratching or marring the freshly sanded surface. Then apply a coat of contact cement on each line drawn where the ribs will come in contact with the wing skins as the leading and trailing edges. Be sure to use the kind of contact cement for bonding Formica counter tops down in your kitchen. This is done coat the top edge of the wing ribs, leading and trailing edge pieces with the contact cement. Set aside to completely dry. When both are dry align the leading edge of the wing with the leading edge reference lines. Make sure all the ribs are also aligned with their respective location lines when lowering the wing at the leading edge as it contacts the wing skin. Slowly roll the wing back on its ribs while pressing downward until the trailing edge comes into contact with the sheet and the two glued surfaces come into contact with each other they are permanently bonded together. Make sure they are where you want them. Then simply trim the excess off and that side of the wing is skinned and finished sanded.

Repeat the process for the bottom skin of the wing. Remember you must mark the bottom wing skin before applying the contact cement. It might be difficult to know where to apply it otherwise.

It is much easier to do than it may sound and if you have some old ribs left over from a project you could practice to ensure that you are comfortable with the procedure. Remember that contact cement sticks on contact. There are two different kinds of contact cement available. Odorless and the kind that stinks really badly! You can choose which one to use.

Print Your own Decals

Printing Instructions for Inkjet Printers

- Step #1: Design your decals using any graphic software program. (Use 8 1/2 " x 11" sheet INK Decal Paper or cut sheet into half if desired.)
- Step #2: Set your printer as follows:
 - Resolution = Best
 - Paper = Photo Gloss
 - (Print your decal on the glossy side of INK JET Decal Paper.)
- Step #3: Spray your printed sheet evenly with Krylon Acrylic Crystal Clear High Gloss spray until the sheet has a shine (2 coats). Allow 30 to 60 minutes to dry and set. (This product is available at any craft or hardware store such as Loews, Home Depot, Ace Hardware, etc. Any acrylic clear coat spray will work.)
- Step #4: Cut out your image using a standard pair of sharp household scissors.
- Step #5: Place decal into a cup of clean water for 45 seconds and remove when the thin decal film begins to slip along backing. (Discard backing material after the decal has been removed)
- Step #6: Apply decal to clean surface; ceramic, glass, the top of a candle, Mylar balloons, model trains, planes, cars, etc.

For those of you thinking about diving off in to decal making there are a few caveats that need to be addressed.

1. Most inkjet and laser printers use inks that are not waterproof. That is the reason for using the clear acrylic to seal the inks.

2. None of these printers will print white. The only exception is a high priced unit from Alps. So if you want to have a white fill for a decal you must use the white background. The background is already white so it will cover other colors. Also the decal must have some sort of border to trim to so that you do not end up with a lot of white showing around the edges. The Champion Spark Plug logo is a good example. This logo has a white insert in the center of the logo. If you put this over any other color than white the center would be the base color. Plan out on the model your decal locations with the color scheme that you are going to use.

3. Use an airbrush to spray clear 1/2" around the edges of the decal once it has dried completely. Lightly wet sand with 600 sandpaper and spray again expanding the spray area to 1". Lightly wet sand again and repeat if needed. This will make the edge of the decal disappear clear coat/s and finish sanding.

I have used these decals under lacquer, dope, epoxy and the urethane automotive clear coats with no adverse affects. The clear acrylic coating seems to be the most compatible with all of the current finishes.

Fly straight or crooked as long as you fly!