



May Minneapolis, Minnesota U.S.A. 2018



Federal Registration

On December 12, 2017, President Trump signed legislation that reversed the earlier court ruling in the John Taylor case and restored the FAA's UAS registration requirement, including for AMA members.

AMA believes that registration makes sense at some level, but has pushed for a more reasonable threshold. While we address these issues, members will be legally required to comply with the FAA registration requirement.

Following are some frequently asked questions. Answers are based on the information available at time of press and are subject to change.

Q: If I already registered, do I have to register again?

A: You will **not** have to register again since this bill simply reverses the John Taylor case. We will share more as details emerge.

Q: Do I need to register again if I requested a refund and asked to be removed from the registration list?

A: You will need to re-register only if you received FAA confirmation that your request to be removed from the database was honored.

Q: I did not request a refund/removal from registration database, will my registration number and expiration date stay the same?

A: Yes, your registration number and expiration date will remain the same unless you requested that the FAA remove your information from the database, and received FAA confirmation of this removal.

Q: How do I register?

A: You can register at <https://registermyuas.faa.gov>. If you need assistance, please call 877 396 4636.

Q: Do I have to register every aircraft?

A: You only need to register your name, physical address, and email address once. You will receive a single FAA registration number which is to be placed inside all of your aircraft along with your AMA number.

Q: Do only drones and multirotor operators need to register?

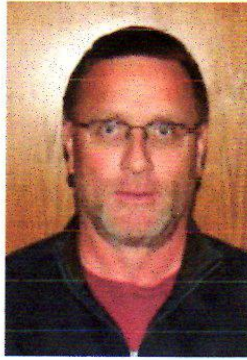
A: Anyone who flies a model that can freely navigate in the air and uses a remote control device (e.g. RC transmitter) is required to register. This includes drones, traditional fixed wing model aircraft, model helicopters, and other remote controlled model aircraft. If you exclusively fly models under .55 pounds, indoors, control line, or free flight models - you do not need to register.

Q: Do I need to list both my AMA number and my federal registration number on my aircraft?

A: Yes, you need to list both your AMA number and Federal registration number on your aircraft. We are advocating to allow members to use their AMA numbers. We believe an AMA membership already meets the intent of registration, but at this time place both numbers on your aircraft. **Q**

A Note from The Head Wing Nut

By Bob Briesemeister



TCRC Members

Unfortunately, as I am writing this article the field is again under water. The water crested on Sunday the 29th at just under 28 feet. There is a link on the website for the Jordan river monitor. When the monitor reads 18 feet the water is approaching the east end of the field. At 19 feet or so the shelter has water in it. At 28 feet the water is about 1/3 of the way up the roof. The worst I remember it the water was 2 feet over the roof. The good thing is the water is receding but it will take probably 2 weeks until it will be dry enough to do the field clean up. When we can do the work we will need all the members to help out. I will send out an email with the clean-up day hopefully in a week or so. With the weekends being busy this month we might have to do a week day or evenings.

The rent and insurance have both been paid for you to be flying at the Scott County Fairgrounds. I'm not sure if it has been mowed but there is an asphalt driveway in the middle of the field to take off on and possibly land on.

There are two TCRC events happening this month. The first is the building contest at the May 8th membership meeting. There are some gift certificates to be won if you enter a plane.

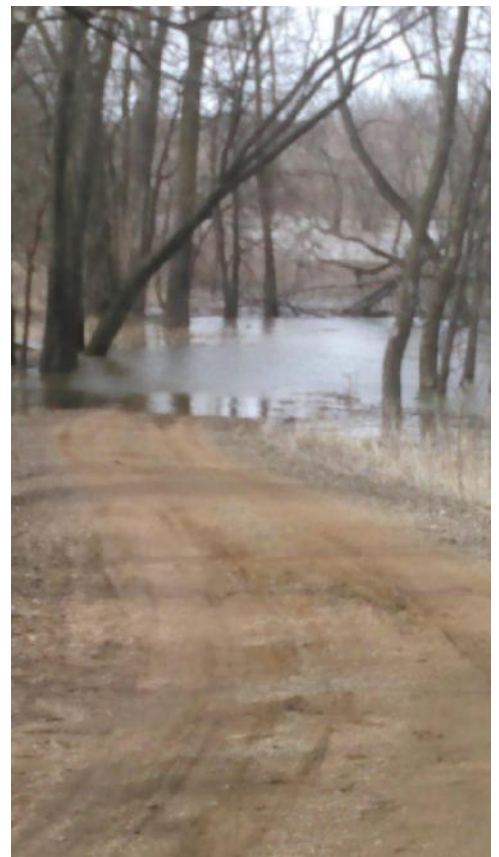
The second is the spring float fly at Bush Lake in Bloomington. It is held at the swimming beach on the east side of the lake. It usually starts about 10am or when we have a rescue boat. Hopefully the weather will be as nice as last year

May 19th and 20th is Swap Meet weekend. Hobby Warehouse is doing both Saturday and Sunday. Sky Hobby will be holding theirs on Sunday the 20th

Starting in June the summer meetings will move to the flying field weather permitting.

I look forward to seeing you at one or more of the upcoming events.

Happy Flying and remember safety first.



Here is a view of the field on May 2nd, and of the road.

J



Federal Aviation Administration

Fly under the Special Rule for Model Aircraft

To fly under the Special Rule for Model Aircraft you must:

- Fly for hobby or recreation ONLY
- Register your model aircraft
- Fly within visual line-of-sight
- Follow community-based safety guidelines and fly within the programming of a nationwide community-based organization
- Fly a drone under 55 lbs. unless certified by a community-based organization
- Never fly near other aircraft
- Notify the airport and air traffic control tower prior to flying within 5 miles of an airport*
- Never fly near emergency response efforts

For more information about what you can do with a model aircraft, please read [FAA Advisory Circular 91-57A](#) (PDF) or read the [Interpretation of the Special Rule for Model Aircraft](#) (PDF).

If you do not meet these requirements, you must fly under the FAA's small UAS Rule (part 107).

*The person flying the model aircraft is responsible for contacting the airport directly. Many phone numbers for airports are available here: https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/Airport_Data/

Many airports have processes for people who fly near their airport, and the model aircraft operator can talk with them directly about how to meet this rule.

Registration Requirements

The FAA requires you to register as a "modeler" and mark your model aircraft with your registration number in case it is lost or stolen.

Registration costs \$5 and is valid for 3 years.

More information about the registration process is available through [UAS Registration](#). Q

MINNESOTA DRONE DAY
ALL CURRENT AND FUTURE DRONE PILOTS OF ALL AGES ARE WELCOME!

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11a-3p

FOR MORE INFORMATION, OR TO REGISTER, VISIT MNDAC.ORG

Hosted by

MN DRONE ADVOCACY COUNCIL | DEPARTMENT OF TRANSPORTATION AERONAUTICS | Meetup | FAAST SAFETY TEAM



Another Great Program At the TCRC Membership Meeting in April

by Jim Cook

Longtime member Sherwood Heggen was the presenter of the program at the TCRC meeting in April. His topic was "Floats" and he did a great job of discussing the building and placement of floats on the aircraft.



Sherwood Heggen kept his audience very interested in his float program at the April Meeting. (Photo by Jim Cook)

He detailed the various float designs and had examples of each. He explained the importance of the step so that the plane could reduce the water tension suction occurring at the float/water interface.



Some of the key points that Sherwood detailed in the building and placement of the floats were:

- Floats should be 75-80% of fuse
- Width should be 10% of fuse
- Depth should be 10% of fuse
- Step should be at 55% of length
- Float step should be slightly in front of plane's CG
- Floats should have water deflectors on inside of front
- Be sure and have proper clearance of propeller
- Floats should have several inches in front of prop
- Floats should be at 0 degrees to chord line

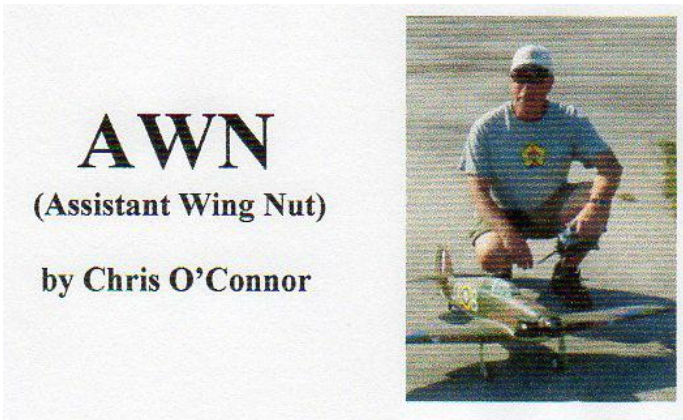
There was some discussion on the actual takeoff and landing procedures for an R/C float plane with several members from the audience giving some tips on flight.

Several of the members had brought in their float planes and all at the meeting had the opportunity to see several examples.

As Sherwood finished up his meeting, he reminded members that the TCRC Spring Float Fly was scheduled for Saturday May 12th at Bush Lake Park in Bloomington, and everyone should plan on attending.

Thanks to Sherwood for a great program. J

TCRC meets every month on the 2nd Tuesday at 7:00 PM in Fellowship Hall of CrossPoint Church located on the southeastern corner of the intersection of 98th Street and France Avenue in Bloomington. Guests are welcome to attend these meetings.



May is finally here and so is spring, good bye snow!!! That means flying season is here, but sadly our main field is flooded. Remember you can use the Scott County Fairgrounds as our alternate site. Some of us went flying at Owatonna at the SMMAC field on Saturday. What a beautiful day for flying. A few of the TCRC members are also members at SMMAC. I feel lucky to be able to fly there as well. I hope TCRC's field will be flyable soon. If you are waiting to fly at the main field remember to have all your equipment ready and batteries charged so you can go at a moment's notice. Hopefully the Minnesota River will be down and back within its banks so we can have our meetings at the field, June, July, August, September.

The month of May brings our annual building contest happening at the May meeting at Cross Point Church. Bring your new planes to enter or a plane you haven't won with or even entered until now. There will be 2 classes, Scale, and Nonscale. We will have judges from Rich Valley RC to help us out. If you're a newer member or a long-time member bring a plane to participate. It's fun to be part of a TCRC event. There will be awards for the scale and nonscale winners as well as people's choice, and also prizes for just participating in the contest. SO PLEASE BRING YOUR PLANES AND HAVE FUN!!!!!!!!!!!!

This month also brings one of the biggest scale contest in the country. TOP GUN in Lakeland, Florida. I'm not entering, but I will be going to Top Gun to enjoy the event. One of our past members Tim Len lives in Orlando and I will be joining him at Top Gun. Tim has flown in the past, but this year he is just a spectator like myself. Tim's finishing a plane that he hopes to enter next year in the expert class. I look forward to seeing some of the most outstanding scale models all at one place. People come from all over the world to enter. It's worth seeing if you have never been before.

See you out flying.

J

Calendar

- May 5 **Minnesota Drone Day**
Blackhawk Middle School, Eagan
11:00 AM to 3:00 PM
MNDAC.org

- May 8 **TCRC Membership Meeting, 7:00 PM**
CrossPoint Church
Bloomington

- May 8 **TCRC Building Contest**
CrossPoint Church

- May 12 **Spring Float Fly**
Bush Lake Park
Bloomington, MN
10:00 AM
Steve Meyer

- May ??? **TCRC Jordan Field Clean Up**
Date TBD

- May 19-20 **Hobby Warehouse Swap Meet**
Richfield

- May 20 **Big Sky Hobbies Swap Meet**

- May 26-28 **Hanson Family Funfly**
Kris Hanson Farm
Mayer, MN

- June 2-3 **Discover Aviation**
Anoka County Airport
Blaine, MN

- June 12 **TCRC Meeting At The Field 5:00 PM Dinner**
7:00 PM Meeting



Building Contest

May 8th

Andersen Designs
Andersen La-7
Built by Jeff Quesenberry

FREE! Scale Plan Downloads

ARADO 96B, Focke Wulf TA -152H
Grumman Lynx, Howard Pete
Kawasaki Ki-45, Lavochkin La-7
Mitsubishi -"Babs"

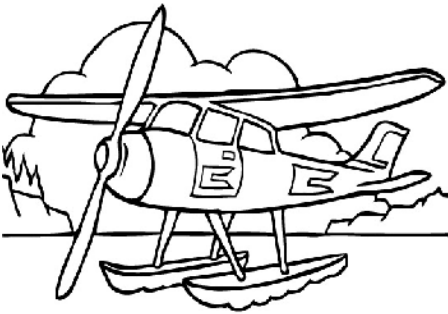
MNBigBirds.com

Add'l Extras:
- In Flight Videos
- Construction Articles
- Scale Documentation
- Paint Masks & more...

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Aircraft & Accessories

TCRC Spring Float Fly Will Be May 12th

by Steve Meyer



After having one of the coldest and snowiest April's on record the ice is off the lake. It's time to start getting ready for the TCRC Spring Float Fly that is held every year at Bush Lake Park in Bloomington. The date is Saturday, May 12th. We hope the weather will be as nice as it was last year.

Chair for the event is again Steve Meyer, and the flying will start at 10:00 AM on Saturday, following a short pilots' meeting to confirm the safety rules and designate the flight areas. We will have a retrieval boat at the event, for that rare chance that a plane or two cannot make it back to the beach under its own power.

The Spring Float Fly is open to any pilot that has a valid AMA card for 2018, and usually there are guests from several of the area R/C clubs, and there are always many beautiful aircraft on floats that put on a show to all in attendance. Bush Lake Park has a very nice sand point that juts out into the

New Member



David Langer became TCRC's newest member at the April meeting.

David lives at 7610 Smetana Lane, #403, Eden Prairie 55344. His phone number is 612-308-3587 and his email address is bluecanoe@usfamily.net. He has been flying for 10-plus years and currently has many electric aircraft.

When you see David at a meeting or at the field, be sure and introduce yourself and welcome him to TCRC.

With David membership, TCRC now has 114 members. **J**

water allowing great air traffic patterns regardless of the direction of the wind.

Get a set of floats onto a plane or two and head on down to Bush Lake Park in Bloomington for a day of fantastic float flying. **J**

2018 TCRC Dues

The flying season has arrived. If you haven't paid your TCRC dues, now is the time to get that done.

The TCRC board of directors met and set the 2018 TCRC dues as shown below:

- Regular \$85.00
- Junior \$47.50
- Social Affiliate \$35.00

Dues invoices were handed out at the December meeting if you were present, or mailed after the December meeting.

Remember, to be a member of TCRC you must be a member of AMA and supply proof of that membership at the time of your TCRC renewal.

Your TCRC dues can be paid to treasurer Tim Wirtz at a meeting or by mailing them to Tim at:

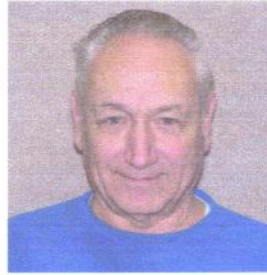
Tim Wirtz
1511 Emerson Avenue N
Minneapolis, MN 55411

The TCRC board confirmed the initiation fee for new members or members who had not paid their dues for the previous year. The initiation fee is \$75.

Take the time to pay your 2018 TCRC dues today. **J**

Safety At The Field

By Larry Couture



Well here it is May 1st, 2018. I am sitting here this morning looking out the window at my front yard looking at some shade of green here and there and thinking maybe winter is over. The computer shows that the field is flooded at an elevation of 27.3 feet which is about 8.8 feet over the black top at the east end of the runway. The graph shows that the water is receding at about 1 foot per day and at that rate it will clear the runway about May 10th providing that it does not rain hard in southwestern Minnesota. Now all that being said I got to write an article on safety and I find that staying home at this time is quite safe as long as I sit in front of the TV and sleep nothing will happen.

Well there will be a two-day swap meet at Hobby Warehouse this month. Now the safety rules for that event are there will be no pushing, shoving, hitting or cussing when you get out bid for that item you could not live without. Most of you guys put on your big boy pants and suck it up and deal with it. Hope to see you all there.

My shop is almost always a disaster area because I leave everything I work with laying where I set it down. So, when I want something such as the exacto knife its laying under something else and in moving things out of the way I find the sharp blade first and the band aid second. I have found this to be one of the hazards in my shop, so I now have a tray for the exacto knives and it keeps them out of the clutter and easy to find without getting cut. Try this as it may help you also. (keep band aids handy).

FOR ALL MEMBERS NEW AND OLD: (just can't say this enough) The rules are printed in the front of the roster and on a large board in the shelter at the field. I suggest that all members should read them from time to time just to refresh the memory. The thing I will always harp about is let your fellow flyers know what you are doing or going to do by LOUDLY ANNOUNCING take offs, landings, dead stick and on the field travel and make sure the others hear you and acknowledge you. In my opinion this is the most important rule or suggestion to follow as it will make accidents less likely to happen and IT SEEMS TO BE WORKING SO LETS ALL KEEP IT UP.

for the day fly often, have fun and crash less and as usual all landings from which you can fly again are great but not always graceful. J

Safety Always Comes First!

THE TCRC FLARE OUT Monthly Newsletter



TWIN CITY RADIO CONTROLLERS INC.

Purpose: To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes.

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Vice President	Chris O'Connor 612-619-5471
Secretary	Ken Weddell 952-500-3446
Treasurer	Tim Wirtz 952-941-5357

TCRC Flare Out

Editor James R. Cook 952-445-5257
Publishers: Pat Dziuk 952-445-3089
 & Mike Timmerman 952-496-1631

Website: <http://www.tcrconline.com>

Looking For Cessna 310 Kit

I am looking for a Topflite Cessna 310 kit, NIB, preferred, no work done. cash deal. I can pick it up.

If you have one you would like to sell, please email me at:

rjgillcorp@yahoo.com

Bob Gillander
Fairfield, IA
641-472-5181.

Thanks. J

Cessna T-37 (A-37)

by Conrad Naegele

The April Mystery Plane was the Cessna T-37.



In the 1950's, the U. S. Air Force decided that all through flight training, the plane would be jet-powered, and issued the requirement for a new basic trainer, no more primary trainers. Cessna was awarded the contract, with its Model 318. The prototype flew in October, 1954. Ordered into production, as the T-37 A.

The early planes found the cockpit layout all wrong. The B model followed with considerable redesign, larger engines, and greatly improved avionics. A total of 1,268 resulted. However, improvements continued, up to the T-37 C, which now offered tip tanks and light armament.

A special Coin model (counter insurgency) was produced for service in Viet Nam, which now included a 37 mm mini-gun, hard points for up to 5,000 pounds of bombs, and air-to-ground rockets. In the meantime, the jet engines were upgraded from 920 pounds of thrust to 2,850 pounds of thrust. Strangely, the Air Force loaned three planes to the U. S. Army for evaluation! The airplane was commonly called the Tweety Bird, but officially was the Dragon Fly.

The T-37 had a wingspan of 35 feet 10 inches, a combat weight of 14,000 pounds, and a speed of 507 mph at 16,000 feet (comparable to WWII top fighters!). The final engines to be used were two GE J85 turbojets, developing 2,856 pounds of thrust. J

TCRC Building Contest May 8th

by Chris O'Connor

It's that time of the year, flying season!!!!!!!!!!!!!!

TCRC's annual building contest is this month. The May 8th TCRC meeting will feature the building contest. This year there will be only two categories, Scale and Non Scale.

New planes can of course be entered into the contest. In addition, if you entered a plane in a previous building contest and won your class you CAN NOT ENTER IT AGAIN. If you did not win your class then you can enter the same plane again. You must be a TCRC member to enter the building contest.

The other category is People's Choice, that is voted on by all people that are present at the May meeting, even guests can vote for the people's choice. We will have additional prizes for entrants of the building contest that did not win in their class. So, bring your planes to enter in one of the categories. You could be a winner.

Remember Tuesday, May 8th at CrossPoint Church. TCRC'S Building Contest!!!!!!!!!!!!!!

Thanks for participating!

J

For Sale

President Bob Breisemeister has some very nice airplanes for sale.

Bob's planes range from small electric ARF's up to 1/3-scale sport planes. Some planes are still in kit form, and some are entirely completed.

The prices of the various planes are very moderate and any one of the aircraft would be a great value for the money.

If you are interested, give Bob a call at 612-964-8877, or see him at a meeting. J

TCRC Apparel For Sale

TCRC's new club apparel is available for sale at most membership meetings.

The new apparel is pretty nifty looking.

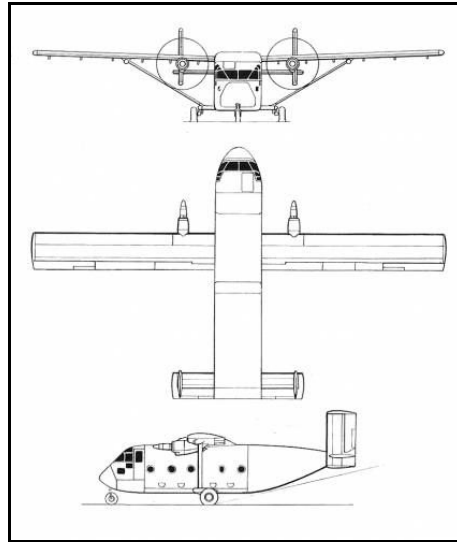
Club treasurer Tim Wirtz has been organizing the order of the club apparel and now has for sale:

- TCRC Hats \$12.00
- TCRC Hatbands \$5.00
- TCRC Gray Sweatshirts \$18.00
- TCRC Gray T-Shirts \$12.00

The dark blue hatbands are to be worn on broad brim straw hats and should look pretty neat.

Tim has plenty of the hats and shirts in an array of sizes. See him at a meeting to get your new TCRC shirt or hat. J

May Mystery Plane



18304

If someone were injured at the TCRC flying field and you had to call 911, what would you tell the operator for the location of the emergency? You would tell the operator the fire number for our field: 18304.

For safety reasons, it is very important every member knows our fire number. Hopefully we will have the fire number prominently displayed in the shelter at the field in the very near future. J

May Field Clean-Up To Be Announced

Don't



Forget!

The TCRC Membership meeting in June, July, August and September will be held at the TCRC Model Air Park in Jordan, weather and water per-mitting.

The grill will be on and dinner will be served at 5:30 PM. The meeting will start at 7:00 PM. Bring a plane and get some flying in before enjoying a dinner on the club and then attending the membership meeting.

The first meeting at the field is scheduled for June 12th. Mark your calendars.

In case of bad weather the meeting will be at its normal time of 7:00 PM at CrossPoint church in Bloomington. J

☺ ☺ ☺

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☺ ☺ ☺

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