January

Minneapolis, Minnesota U.S.A.

The TCRC Annual **Auction Is Back!**

by Jim Cook

The biggest R/C Airplane Auction in the Upper Midwest had to be your item is selling for too low of cancelled in 2021 because of COVID-19. But now in 2022, the TCRC Annual Auction will again be held and is scheduled for Saturday, February 5th, at its normal location of CrossPoint Church at the case, you will be charged a buyback intersection of 98th Street and France Avenue in Bloomington, Minnesota.

COVID-19 is still a concern, and the club will require masks for all commission of \$5 or 10% of the participants and hand sanitizer will be available.

If you are planning on being a seller at the TCRC Auction, you can pre-register at TCRCOnline.com. Instructions for pre-registration are on page 8 of this newsletter. Remember there is a minimum opening bid requirement of \$20, so sellers are urged to bundle lower priced items to be well above the \$20 opening. If the seller check-in people do not believe an item will achieve the minimum bid, they may require that item to be sold on the bargain table.

If you are a buyer, you will have several different means to purchase R/C airplanes and equipment: 1) Items continually coming across the main stage from 9:00 AM to 5:00 PM; 2) By bidding on select items in a silent auction throughout the course of the day; and 3) By visiting the bargain table for R/C items priced between \$15-\$30.

Doors open at 6:45 AM for seller registration and check in, and for buyer registration. There is a \$5 admission charge for everyone attending the auction. A Bidder's Card is included in the admission charge.

At 8:15 AM the impound area will be opened to give the bidders a of the auction. chance to get close looks at the items that will be sold. In addition, all items heading for the auction block will proceed down tables in the

auction hall and be shown on a closed-circuit TV screen appearing the main stage. Items approaching the auction block take about 45 minutes to go across these tables.

If you are a seller and you feel price, you may protect that item by being the winning bidder. In that fee of 10% of the selling price up to a maximum of \$20. On successful auction sales. TCRC takes a selling price, whichever is greater, on all items.

Through the course of the day, there will be a concession stand starting with coffee and packaged rolls in the morning, and pre-packaged sandwiches and beverages for the rest of the day. Patrons must stay in the concession area (which is on the main auction floor) while eating and drinking. No food or beverage is allowed outside of this area, including carry-ins.

For buyers, TCRC accepts cash, checks and credit cards. Buyers will be charged Minnesota State sales tax for their purchases. All items must be paid for and removed by the end

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A Note from The Head Wing Nut

By Bob Briesemeister



Hello Members,

HAPPY NEW YEAR!!!!! Goodbye 2021 and Hello 2022. I hope that this year will be the year that the medical industry will be able to resolve COVID-19.

Have you noticed the increase in daylight? We have gained just under 7 minutes since the winter solstice. Since the 15-inch snowfall in November and all of it melting which surprised me, the snowfalls have been manageable. The temperatures are like riding on a roller-coaster with no long sustained below zero stretches so far. The driveway and parking lot have been plowed for your flying pleasure for either skis or wheels off the parking lot.

The big event coming up for TCRC is the annual auction. Plans are moving forward on holding the auction on February 5th at Crosspoint Church. The church still holds all the cards if it has to be cancelled but we are full steam ahead. TCRC members this is your chance to volunteer and help with our only fund raiser of the year. With not having the auction last year I'm not sure what to expect, it could be big with no auction in 2020, or it could be a bust. We need to plan for it being big, I guess. We need all hands on deck. We need help starting at 5pm on Friday with setup until tear down after the auction is finished on Saturday afternoon with putting the church back together. Please stick around until the work is done.

To date the big change will be the requirement that everyone wears a mask. There also will be some changes in the concessions but we are still working them out. If you are not feeling well and have been exposed or have signs of COVID please do not attend the auction.

There will be a bargain table for those less expensive items and the Silent Auction for the items of \$125.00 or more. If you choose the silent auction to sell your items, you do not have to watch your item and be the last bidder. TCRC will still be taking its 10% selling fee no matter which way you try to sell your items.

Remember the TCRC Auction is for R/C Airplane, Helicopters, Drones and related items. This means no R/C Cars, Trucks and Boats. You can

go online and register for your Seller's Number which will speed up checking in your items on Saturday morning.

Please keep Dave Erickson in your thoughts and prayers with his battle against COVID- 19.

Thank You! See you at the membership meeting on Tuesday, January 11th.

TCRC 45th **Annual Auction**

Continued From Page 1

Sellers will be sent their proceeds from sales very soon after the auction.

Because this is such a long event, TCRC has purchased many nice airplane kits that can be won by several lucky bidders if they are still present at the end of the auction. These can only be won by non-TCRC members.

The TCRC Auction is a great event, and it gives both buyers and sellers a chance to sell or purchase some great R/C items and to be a part of an enjoyable event on a cold winter day. Come to the 45th TCRC Annual Auction! It will be bigger and better than ever!

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.

TCRC Dues Renewal

by Tim Wirtz

It is time to renew your TCRC membership. Before your renewal application can be processed by TCRC, your 2022 AMA Membership must be current. A 2022 Membership Card will not be issued until the AMA website shows your AMA status as current. Your 2022 AMA Membership status will be verified using an AMA website application. There is no need to submit a paper copy of your AMA Membership status with this application.

To serve the TCRC Membership, the Board requires a signature of each pilot confirming their intent to abide by the Field Rules that are posted on the TCRC Website (http://www.tcrconline.com/documents/field_rules.htm) and in the shelter at the main field. This year, due to COVID, your payment of your yearly dues constitutes your acknowledgment that you intend to abide by the Field Rules

TCRC Membership types are as follows:

Regular Those 19 years or over as of July 1, 2022

Family Regular member plus all son(s)/daughter(s). Pilots under

19 years of July 1, 2022 must have a current 2022 AMA

Membership

Junior Those under 19 years as of July 1, 2022 (who are not part

of a Family Membership)

Social Affiliate An affiliate of TCRC with no flying privileges (does not

require AMA Membership)

The 2022 Membership Dues are listed below. Early Renewal applications must be post-marked or received electronically by 15 Jan 2022. Receipt of payment is proof of renewal. NO NEED TO PRINT AND SEND THIS FORM

Normal	Renewal Rates	Early
\$105.00	Regular membership	90.00
\$105.00	Family membership	90.00
\$47.50	Junior membership	35.00
\$35.00	Social Affiliate	30.00

If you had a Family Membership in 2022, your family membership will automatically be renewed as such with the family members on file. If there are additional family members that need to be added, please email treasurer@tcrconline.com.

When you renew, please confirm your email address and your phone number. (If corrections are needed, you can send it via email to treasurer@tcrconline.com.

The preferred payment method this year is PayPal, however credit cards and checks will be accepted. If paying by PayPal, use the following links:

Early Renewal

www.PayPal.Me/TCRCTreasurer/90

Regular Renewal

www.PayPal.Me/TCRCTreasurer/105

If paying by Credit Card, please call Tim Wirtz at 952-297-5226.

Mail your check payment to:

Tim Wirtz

1511 Emerson Ave N Minneapolis, MN 55411

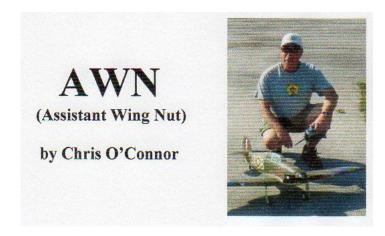
Pay your dues today and get the early renewal discount.

New Member

At the December meeting, Eugene Schmidt Jr. became TCRC's newest member.

Gene lives at 20689 Gemini Trail in Lakeville, 55044. His phone number is 352-342-0406 and his email address I gene04@aol.com.

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



Happy New Year to all my TCRC friends. I hope you got something fun for the holidays.

This year I'm doing something different for the winter. Besides getting as much building done in January, I'm sorry but I'm going to miss the auction because Nancy and I are going to Phoenix for two months, February and March. So, I won't be getting as much building done as I would like, but I'm bringing two planes with me, we are driving down.

My T-28 and the T-33 are making the trip with us. Electric only (Gerry do you like that?), it's easier -- just batteries, no fuel, starters, or big field box. I have six Lipo's for the T-28, and two for the T-33. My brother loaned me a couple of Lipo's to use.

I had to join a club in the Phoenix area so I could fly. The club is Speedworld RC. It's on the northwest side of Phoenix and about twelve minutes from we're we are staying. So, I can play pickleball in the morning and fly in the afternoon. The field is very nice for flying with the main runway about 800 feet long by 50-60 feet wide. I have been there many times, but never was able to fly. Looking forward to flying down there.

Alright, back to building. My Mach 1 that I brought to the last meeting is ready for fiberglassing and painting. So, I've stopped on that and moved back to working on Nate's V-tail Bonanza. After such a long period of not working on the Bonanza, it's hard to remember what I was working on, so I just decided to go back to the wings and get them ready for servos and mount the gear temporarily and fit the gear doors. By then it should be time to head south.

At the next meeting for a program, I thought we could talk about different finishes we can put on our models. Have fun building! See you at the January 11th meeting.

2021-2022 AMA Dues Statements

Most older TCRC members should have received their 2021-2022 dues statements in the mail this month from the Academy of Model Aeronautics. Newer members renew on the anniversary of the month they joined.

AMA 2022 dues are the same as the previous year. They are:

- Adult (19-65) \$75
- Senior (65 and up) \$65
- Under 19 Free or \$15 with *MA*

Your AMA membership gives you \$2.5 million in personal liability coverage, \$25,000 in medical coverage and also a subscription to either the print or digital *Model Aviation* for the year.

To belong to TCRC, you must have a valid membership for the year in AMA.

Please note that AMA also has a Park Pilot membership that has a cost of \$38 per year, but that membership is not valid for membership in TCRC.

To renew your membership in AMA, the Academy gives you four methods: at the AMA website, www.modelaircraft.org; by fax at (765) 741-0057; by phone at (800) 435-9262; or by returning the renewal form you received in the mail in the supplied envelope.

Ou Deadline for paying your 2022

(a) AMA dues is December 15 to avoid a lapse in membership services.

Show & Tell



Four nice planes showed up at the December membership meeting.



Gerry Dunne had a Super Scorpion made by FreeWing that he picked up at the TCRC Spring Swap Meet. The Scorpion was an ARF foamy done in white and red. It had a 38-inch wingspan and weighed 83 ounces. It was powered by 80mm electric ducted fan. It also had retracts. As of the meeting he had not put the maiden flight on it as yet.



Sherwood Heggen had a Taurus manufactured by Topflite. This plane dates to the 70's and 80's. Former member Bruce Anthony has loved he Taurus and built several, all of which sparked Sherwood's interest. His Taurus was an ARF Kit that he said was high quality. The plane was done in red and white with black trim

and had a wingspan of 70-inches and weighed 7-pounds. It was powered by a Super Tigre G60 2-stroke engine. Sherwood is planning the maiden flight to occur at the field this next spring.



Ken Weddell had a Phaeton II built from a Balsa USA kit. He purchased this plane at the 2019 TCRC auction. It was done in conventional red and yellow sunrays on the wing with a red fuse. The plane had a 52-inch wingspan and weighed in at 6-pounds. It was powered with an OS 70 Surpass 4-stroke engine. He changed out the included servos for Hitec 81-MG's. The Phaeton has not had its maiden flight as yet.



Joe Neidermayr had a small F-8E Crusader manufactured by FreeWing. This is the first plane anyone can remember Joe building that was not done in German motif. The Crusader had a 22-inch wingspan and was powered by a 5-blade electric ducted fan. The plane utilized an elevon set-up and used three channels.

(Photos by Tim Wirtz)

2022 TCRC Annual Calendar

DATE	EVENT	REMARKS
January 5	1 st Qtr BOD Meeting	Bob Breisemeister's Home, 7 PM
January 8	2022 All Season Flyer Kickoff	TCRC Model Air Park, 10-10-10 Rule
January 11	Membership Meeting	CrossPoint Church, Bloomington, 7 PM
January 15	Deadline for TCRC Dues Discount	Postmarked on or before January 15
February 4	Auction Set-Up	CrossPoint Church, 5 PM
February 5	TCRC 45 th Annual Auction	CrossPoint Church, 6:45 AM to 5 PM
February 8	Membership Meeting	CrossPoint Church, 5 PM Pizza & Pop
February 12	All Season Flyer Session	TCRC Model Air Park, 10-10-10 Rule
March 5	End of Winter Fun Fly	TCRC Model Air Park, 10-10-10 Rule
March 8	Membership Meeting	CrossPoint Church and Zoom, 7 PM
April 2	April Fool Fun Fly	TCRC Model Air Park, 10-10-10 Rule
April 6	2 nd Qtr BOD Meeting	Bob Breisemeister's Home, 7 PM
April 12	Membership Meeting	CrossPoint Church and Zoom, 7 PM
May 7	TCRC Jordan Clean-Up & Fly-In	TCRC Model Air Park
May 10	Membership Meeting	CrossPoint Church and Zoom, 7 PM
May 10	Building Contest	CrossPoint Church
* May 14	Spring Float Fly	Bush Lake Park, 10 AM, Steve Meyer
**June 14	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*June 18	Electric Fly-In and Competition (Open)	TCRC Model Air Park, Gerry Dunne
**July 12	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*July 16	Wings Over Jordan and Camp Out	TCRC Model Air Park, Bob Breisemeister
August 3	3 rd Qtr BOD Meeting	Bob Breisemeister's Home, 7 PM
**August 9	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*August 27	Model Aviation Day	TCRC Model Air Park, T. Wirtz & B Johnson
*September 10	Scale Fly (Open)	TCRC Model Air Park, Scott Anderson
**September 13	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*September 17	Fall Float Fly (Open)	Bush Lake Park, 10 AM, Steve Meyer
*September 24	Swap Meet and Fun Fly	TCRC Model Air Park or Fairgrounds, Bob B
*September 25	Rain Date for Swap Meet	TCRC Model Air Park or Fairgrounds
October 1	Crocktoberfest Season Finale	TCRC Model Air Park, Brian Johnson
October 11	Membership Meeting	CrossPoint Church and Zoom, 7 PM
November 8	Membership Meeting - Elections	CrossPoint Church and Zoom, 7 PM
November 8	Ugly Airplane Contest	CrossPoint Church, 7 PM
November 19	TCRC Annual Banquet & Awards	David Fong's, Prior Lake, 5 PM
December 3	All Season Flyer Finale	TCRC Model Air Park, 10-10-10 Rule
December 7	Joint Board Meeting	Bob Breisemeister's Home, 7 PM
December 13	Membership Meeting	CrossPoint Church and Zoom,7 PM

^{*} Denotes events open to other than club members.

^{**} If bad weather the meeting will be held at 7 PM at CrossPoint Church

Jafety At The Field

By Larry Couture



Here it is January 1st 2022 and the weather is cold, but the sky is sunny. I have not been at the field this fall but I will be there in the spring when the warmer weather comes (I am just a fair weather flyer).

Due to spread of covid I will not be flying to Yuma this winter. I am looking forward to the February TCRC Auction.

The safety note for the season is this: The motor on our airplane turns in the vicinity of 10,000 rpm. Now if the tie up string on your hoodie or collar is hanging down the prop could catch it and in the shortest time you can think of you will be cut by the prop. This applies to all loose features of your winter clothing which in many places can be lose or baggy. The solution to this problem is for you and your friends to pay attention to yourself and pay attention to them and make sure that none of this applies to your or their attire.

The wintertime is for building, and I am in the middle of building a twin Otter from a 1970 plan. This is not a great idea as the plan does not explain how things are to be installed, it is just a collection of pictures, and it is up to the builder to make it work. My last unsolved problem was how I get the aileron and flap wires in the wings past the engines to the receiver January and February flights can and how the nacelle will hold a tank and a servo

Thought for the day: Keep the rubber side down and all landings are not perfect but if you can fly again, they are great. Have fun and keep flying.

Safety Always Comes First!



Be An All Season Flyer In 2022



The end of the 2021 has arrived. And with the new year upon us, that means you should start thinking about becoming an All Season Flyer in 2022.

To become an All Season Flyer a pilot must put at least one flight on an airplane outside in each month of a calendar year. That means you have to start in January.

In Minnesota, those December, occur in some pretty cool weather.

In TCRC several pilots have a proud tradition of earning their ASF patches. Some have been doing it for more than 10 consecutive years.

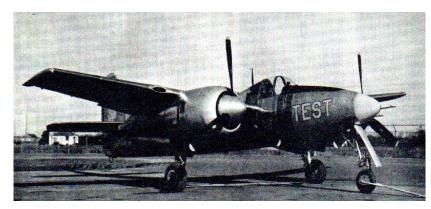
Earning an All Season Flyer patch in Minnesota has to be a very daunting experience. However, with the advent of the electric airplanes, it is a lot easier than trying to start a cold glow engine.

If you are interested in becoming an All Season Flyer in 2022, plan on joining the pilots for their January flights.

Grumman XP-56

by Conrad Naegele

The December Mystery Plane was the Grumman XP-56.

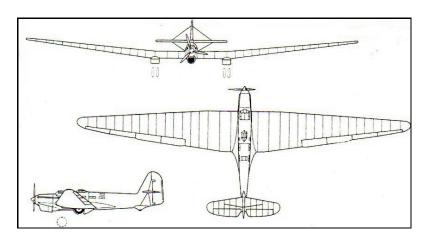


With the crash of the Grumman XP-50 (Skyrocket) in May, 1951, the designers turned their attention to a call for another twin-engine fighter for the Air Corps. This plane was code named the XP-56. Two prototypes were ordered. This was to be developed along side another Grumman plane, the X7F, to be a Navy fighter. The primary difference was the use of superchargers.

The XP-56 was to use 2-1700 R 2,800 horsepower radials, 4-20 mm cannon, and four .50 caliber machine guns. As the two planes progressed, it was obvious that no one plane would serve both the Air Corps and the Navy. (Same problem occurred 20 years earlier with the F-111.) The XP-56 was scrapped, and Grumman went on with the X7F, which would be known as the Tigercat. This did not become operational in WWII, but would play an important role in the Korean conflict.

The plane had two Wright R-2600 air-cooled radial engines, each developing 1,700 horsepower. It had a wingspan of 52-feet 7-inches, and empty weight of 15,000 pounds, and a combat weight of 21,425 pounds. It had a projected speed of 427 mph.

January Mystery Plane



TCRC 2022 Auction Pre-Registration

by Pat Dziuk

Can you believe that it has been almost two years . . .? The TCRC Board is happy to say that we are back and ready for the 2022 auction.

The Twin City Radio Controllers 45th Annual Auction is just around the corner. This year it will again be held at Cross Point Church 9801 France Avenue South in Bloomington on Saturday, February 5th.

You can register for a seller's number online again this year allowing you to fill out your seller's inventory card and label your items in the comfort of your warm home instead of freezing in the parking lot the morning of the auction.

To register please send an email to auction@tcrconline.com with your name, address and phone number requesting a seller's number. You can find full details including the seller's inventory card at http://www.tcrconline.com/pages/auction_seller_registration.htm

General information about the auction can be found at http://www.tcrconline.com/pages/auction.htm and http://www.tcrconline.com/pages/auction.htm and http://www.tcrconline.com/pages/auction.htm

Come to the TCRC Auction on Saturday, February 5th.



Always Wear An Orange Vest To Retrieve A Plane

Every member is reminded to wear an orange vest if your plane goes down in the wooded areas surrounding the TCRC runways.

Minnesota is well into its hunting season, and it will continue until the end of February.

If your airplane does go down in the woods, the orange vests are quite close. The orange vests are stored in the rafters of the shelter and easy to reach.

Be safe! Where an orange vest anytime you have to retrieve an airplane.

TCRCOnline.com

TCRC Meetings Continue To Offer Virtual Attendance

The advent of COVID-19 introduced TCRC to the world of Zoom meetings. Physical meetings were not possible, so the club held its meetings via the app called Zoom.

Now the club is back to holding its meeting at CrossPoint Church in Bloomington. But TCRC has decided to continue for members having the option to attend a meeting via Zoom.

Tim Wirtz acts as host, sets up the Zoom meeting, and furnishes the link to all members prior to the meeting.

At the TCRC physical meeting, Tim has his laptop there and sets up a camera so those in the Zoom meeting can see those in attendance.

This has worked well, and the members appreciate having the option to attend a meeting when it is inconvenient to be there physically.



Calendar

Jan. 1	Happy New Year
Jan. 8	All Season Flyer Kickoff, Jordan Field 10-10-10 Rule
Jan. 11	TCRC Membership Meeting, 7:00 PM CrossPoint Church Bloomington, MN
Jan. 15	Deadline for Member Dues Discount (Mailed Dues must be Postmarked no later Than January 15 th
Feb. 4	Auction Set-Up CrossPoint Church 5:00 PM
Feb. 5	TCRC Auction CrossPoint Church Bloomington, MN
Feb. 8	TCRC Membership Meeting, 7:00 PM CrossPoint Church Bloomington, MN Pizza & Pop Meeting

Lock The Gate!

It is very important that the gate to the field be kept locked at all times when there is no member present.

It is every member's job to lock the gate when her/she is the last one at the field. It doesn't matter the time of day or how nice the weather is. This simple rule is to keep the gate locked to prevent theft, vandalism and the unauthorized use of our land from occurring.

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.

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.

2022 Officers

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TCRC Flare Out

Editor James R. Cook 952-200-2030 Publishers: Pat Dziuk 952-445-3089 & Mike Timmerman 952-496-1631

Website: http://www.tcrconline.com

Pizza & Pop At February TCRC Meeting



The February 8th TCRC membership meeting will feature pizza and pop for all in attendance.

The club is doing this to show its appreciation to all of you members who will work the annual auction on Friday and Saturday, February 4th and 5th.

So, work up a good appetite during the auction and come hungry to the TCRC membership meeting on February 8^{th} .



Twin City Radio Controllers



