



January

Minneapolis, Minnesota U.S.A.

2017

TCRC 41st Annual Auction February 4th

by Jim Cook

Saturday, February 4th, 2017, TCRC will host its 41st Annual Auction at CrossPoint Church at the intersection of France Avenue and 98th Street in Bloomington, Minnesota.

The TCRC Auction is the largest R/C auction of its kind in the upper Midwest and draws hobbyists from Minnesota and its surrounding states. R/C aircraft and related accessories will be on the auction block. The doors open at 6:45 AM for registration and check-in, and the first item goes on the auction block sharply at 9:00 AM. From that moment on, the auction action will be continuous until around 5:00 PM, with an item being sold once every minute over that time span.

As of December 30th, pre-registration of items to be sold is available at the club website, TCRCOnline.com. This is very helpful to the club and lessens the time pressure from 6:45 AM until the auction starts such that all items get registered quickly.

The quality of the items up for auction tends to be very high, with fantastic airplanes from electric ARFs to giant gas-powered craft. The planes range from kits still new in the box to completely constructed aircraft with all of the electronic gear and power plants, just waiting for those new pilots to take them home and fly them.

In addition to the items continually going over the auction block, there will be a Silent Auction for some fantastic aircraft with values in the area of \$200 or more. There will also be a Budget Table for items in the \$20 range.

Hobby Warehouse and Big Sky Hobby will have booths on the floor selling R/C accessories at bargain prices.

There is a \$5 admission to the event. Sellers pay a commission of \$5 or 10% of the selling price, whichever is higher. A seller has the right to protect his item for sale by being the highest bidder, if he/she feels the bidding was not sufficiently high for the value of the item. In that case, the 'buyback' has a commission of 10% up to a maximum of \$20.

TCRC accepts cash or credit cards for purchases, which must be paid by the end of the auction.

If you have questions concerning the auction, as either a buyer or a seller, you may call Bob at 612-964-8877 or Scott at 952-934-1471. Also, there is additional information at TCRCOnline.com as well as pre-registration forms.

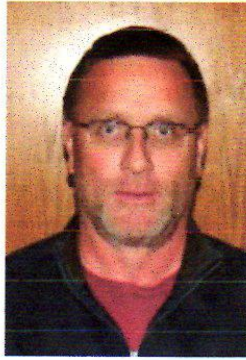
From a club standpoint, the TCRC Auction is the biggest manpower project that the club undertakes. It is very important that all members sign up to work at least one shift at the auction. In addition, family members and friends are also welcomed to work at the event.

CrossPoint Church will be set up for the auction starting at 5:00 PM on Friday, February 3rd.

Come to the TCRC Auction on Saturday, February 4th. Be a buyer, a seller and a worker. **J**

A Note from The Head Wing Nut

By Bob Briesemeister



TCRC Members

Wow it's 2017! Happy New Year! I hope you had a blessed and safe Christmas and that all your wishes came true.

As we all know by now, the field was flooded a lot in 2016 and that it was a wet year, but did you know that we set a record for the wettest year in history? Let's pray for a dryer 2017.

A to Z Asphalt contacted me, so Larry Couture and I met with them to discuss a plan as to how to correct the issues with the newly paved runways. The work will be done as soon as the weather will allow it to be done in the spring.

The main event on our calendar for the next month is the auction on February 4th. We will need all hands on deck to make it run smoothly. The January membership meeting will be dedicated to the auction and is the last meeting before the event. With a lot of new members that have not worked at the auction we will try to do a short run through of how we pull it off year after year. If you can make this meeting it will be beneficial for everyone. Also, we will have Show & Tell at the January meeting so bring your new gifts or projects.

We are always looking for tables to use at the auction. Please let me know if you have any that we can use. We will be doing set up on Friday the 3rd after 5 p.m. When the setup is complete, we will check in member's items if you would like to bring them that night and avoid the rush in the morning.

We will need people on Saturday starting at 6:00 a.m. We open the doors at 6:45 with the auction starting at 9:00. Also we need people to stay after it is over to help clean up and put the church back together for church services the next day. ****Please send me an email letting me now when you can work so I can get a head count to ensure we have everything covered.**

The February meeting will be on the 7th which is the first Tuesday of the month. We are doing this to avoid having it conflict with Valentine's

Day. We will be having pizza at this meeting and also giving away some gift certificates for the people who worked at the auction.

This month's raffle plane is a Seagull Fun Fly 3D. Electric or nitro power may be used with this plane. Retail value is \$180.00.

We will see you all at the meeting on January 10, and off course on Saturday, February 4th for the TCRC Auction. **J**



Calendar

- Jan. 1** Happy New Year
- Jan. 10** TCRC Membership Meeting, 7:00 PM
CrossPoint Church
Bloomington
- Feb. 3** Auction Set-Up
CrossPoint Church
5:00 PM
- Feb 4** TCRC Auction
CrossPoint Church
Bloomington, MN
7:00 AM to 5:00 PM
- *Feb. 7** TCRC Membership Meeting, 7:00 PM
CrossPoint Church
Bloomington
- Apr. 7,8,9** 63rd Annual Toledo AirExpo
Seagate Center
Toledo, Ohio



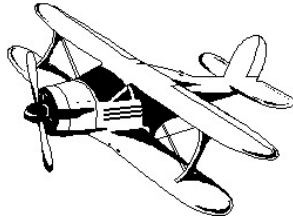
2017 TCRC Annual Calendar

DATE	EVENT	REMARKS
January 4	1 st Qtr BOD Meeting	Auction Planning Session Pres' Home 7 PM
January 7	2016 All Season Flyer Kickoff	TCRC Model Air Park, 10-10-10 Rule
January 10	Membership Meeting	CrossPoint Church, Bloomington 7 PM
January 15	Deadline for TCRC Dues Discount	
February 3	Auction Set-Up	CrossPoint Church, 5 PM
* February 4	TCRC 41 th Annual Auction	CrossPoint Church, 7 AM to 5 PM
February 7	Membership Meeting	CrossPoint Church, Bloomington 7 PM
February 18	All Season Flyer Session	TCRC Model Air Park, 10-10-10 Rule
March 4	End of Winter Fun Fly	TCRC Model Air Park, 10-10-10 Rule
March 14	Membership Meeting	CrossPoint Church, Bloomington 7 PM
April 1	April Fool Fun Fly	TCRC Model Air Park, 10-10-10 Rule
April 5	2 nd Qtr BOD Meeting	Bob Breisemeister's Home, 7 PM
April 11	Membership Meeting	CrossPoint Church, Bloomington 7 PM
May 6	TCRC Jordan Clean-Up & Fly-In	TCRC Model Air Park
May 9	Membership Meeting	CrossPoint Church, Bloomington 7 PM
May 9	TCRC Building Contest	CrossPoint Church, 7 PM
* May 13	Spring Float Fly	Bush Lake Park, 10 AM, Steve Meyer
May 27-29	Hanson Family Fun Fly	Kris Hanson Farm, Mayer, MN
**June 13	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
June 17	Electric Fly-In & Camp Out	TCRC Model Air Park, Gerry Dunne
July 8	Competition Fun Fly	TCRC Model Air Park, Kris Hanson
**July 11	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*July 15-16	Wings Over Jordan and Camp Out	TCRC Model Air Park, Bob Breisemeister
August 2	3 rd Qtr BOD Meeting	Bob Breisemeister's Home, 7 PM
August. 4-6	Wisconsin Fun Fly	Siren & Rice Lake, Bill Sachs & Jim Cook
**August 8	Membership Meeting At The Field	5:30 PM Dinner, 7 PM Meeting
*August 26	Model Aviation Day	TCRC Model Air Park, Doug Elyea
*September 9	Scale Fly	TCRC Model Air Park, Scott Anderson
September 12	Membership Meeting	CrossPoint Church, Bloomington 7 PM
*September 23	Fall Float Fly	Bush Lake Park, 10 AM, Steve Meyer
October 7	Season Finale	TCRC Model Air Park
October 10	Membership Meeting	CrossPoint Church, Bloomington 7 PM
November 14	Membership Meeting - Elections	CrossPoint Church, Bloomington 7 PM
November 14	Ugly Airplane Contest	CrossPoint Church, 7 PM
November 18	TCRC Annual Banquet	David Fong's, Prior Lake, 5 PM
December 2	All Season Flyer Finale	TCRC Model Air Park, 10-10-10 Rule
December 6	Joint Board Meeting	Bob Breisemeister's Home, 7 PM
December 12	Membership Meeting	CrossPoint Church, Bloomington 7 PM

* Denotes events open to other than club members.

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

Show & Tell



Need planes and R/C stuff showed up at the December TCRC meeting.



Darryl Volk had a Q450 Ghost Quadcopter at the meeting. This drone was manufactured by Diatone and had an armspan of 19.5-inches. It weighed about 30 ounces. Darryl flew it once and had a motor come off of the drone. He said it hovers well and seems pretty stable.



Prolific Joe Neidermayr had a Henschel HS 123 which was an ARF from an FMS kit. It was done in olive green with German markings. Wingspan was 40-inches and weight was 3.1 pounds. He has put one flight on the aircraft and was pleased with its performance.



Scott Anderson had a 3-cylinder Saito FG 60R3 radial engine that he is planning on installing in his Westland Lysander Model 2 aircraft.



Scott Anderson also had an A-10 Warthog new out of the box with a 20-inch wingspan. Yet to fly.



Sherwood Heggen had a pair of Sierra landing gear he is planning on installing on his P-36 Curtiss that he is scratch building.

Veep's Corner

by Brian Johnson



Hello TCRC members.

Here we are again, the end of another year. It seems like I just got used to writing 2016 on anything that requires a date and now I have to learn another number. I suppose I will figure that out in about six solid months!

One of my usual tasks after the holiday season is the annual cleaning of the work bench (at least mentally) and deciding what projects I will tackle in the next year. A hobbyist needs to have priorities after all. The main thing I have to figure out is what am I going to try to have complete by the time the snow is gone for that first spring flight, what am I going to try to get to before the end of the flying season, and which projects are going to take longer. We all have those, the ones where the timeline is more or less indefinite. I have an Astro Hog that fits nicely in that last category!

That got me to thinking about all of the things that I would like to know a little more about. I am, for the most part, an ARF flier but I come from a time when that was not an option. When I got into modeling you were lucky if all of the parts were die cut well enough not to break them getting them out of the sheet without significant sanding. You had to sift through pages of an instruction manual, a paper catalog, or spend time at a local hobby shop to find accessories and hardware that were compatible with the model you were building. You had to buy tools and adhesives galore. You had to actually build the structure and apply some sort of covering just to get to the point where many of us begin today. One might think that this would make me a bit of an expert in the trade, a craftsman so to speak. One would be wrong.

The truth is, there are a lot of things that I would love to know more about. I am not talking just about those obscure building secrets that achieve the perfect rivet spacing and consistent size, the perfect weathering to represent the region and conditions that a scale aircraft may have served, and that steel faced no fear expression on the face of a hand painted pilot (although I do love that aspect of the hobby). I am also talking about those everyday things that everyone has to think about regardless of how well their model represents an actual aircraft. What

are the essentials of a flight box? When it comes to field repair, what should we be considering to ensure we are putting up an airworthy craft? I would love to learn from an expert how they achieve those intricate and wrinkle free plastic covering jobs. I would love to learn how other people plan projects, tune engines, select electric power combinations, set to speed controllers, make slop-free and bind-free pushrod and hinge arrangements, and much more.

One of the things I am responsible for is choosing topics for clinics to be held at a few of the monthly meetings so in addition to the things I mentioned I would also like to hear the things you are interested in learning more about. The topic can be as general as building techniques or as specific as adding split flaps to a foamy ARF. If there is something that you are wondering about how to execute or how to solve or would simply like to know more about, send it my way. If it turns into a topic I will look for an expert to help to educate the rest of us. I am willing to bet that if any of us are wondering about something there are several more wondering the same thing.

I look forward to hearing your ideas for topics and learning more about this wonderful hobby of ours!

Until next time . . .

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.



TCRC 41th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS – MINNEAPOLIS, MN

Saturday, February 4th, 2017

www.TCRCONLINE.COM



Concessions!

Door Prizes Every Hour!

- Hot Coffee & Donuts
- Soda/Pop
- Hot Dogs & Chips
- No food or drink in the bidding area

NEW BUDGET TABLE!

- For your \$20 & \$30 items (\$20 minimum)
- All Day Exposure \$5 flat fee (sale or no sale)
- Set your price and items are sold at the table.
- Payments to sellers happen same way as regular auction.

What's for Sale?

- R/C Airplanes, Kits, Engines & Radio Systems
- R/C Aircraft related stuff & support equipment
- NO Cars/Boats
- NO Unrelated Stuff

When:

Registration Begins @ 6:45 am
 Viewing @ 8:15 am
 Auction Begins @ 9:00 am

Details:

- \$5.00 Admission: includes Bidder's Card
- \$20.00 Minimum Opening Bid. Nothing will be sold for less than \$20
- Commission of \$5 or 10% whichever is greater.
- SELLER MUST attach a brief description to EACH item being sold
- Pre-Registration Available for Sellers
- BUYBACKS @ 10% up to a maximum fee of \$20
- Credit cards will be accepted for auction purchases

Questions?

- E-mail: Auction@TCRCOnLine.com
- Call Bob 612-964-8877 or Scott 952-934-1471
- MORE Info at <http://www.tcrconline.com/pages/auction.htm>

NEW SILENT AUCTION!

- For your \$200 and up items
- One Hour Exposure for your item!
- (5) items sold each HOUR for 6 Hours
- Set your minimum price, bidders bid for One Hour then the items are sold to highest bidder
- Limited to the 1st 30 Sellers who choose this option

Don't



Forget!

The TCRC February Membership meeting will be held on Tuesday, February 7 instead of its normal 2nd Tuesday of the month to avoid any conflict with Valentine's Day.

This meeting will be held the next Tuesday after the TCRC Auction that will have been on Saturday, February 4th. The results of the auction will be the prime topic of conversation at that meeting. Pizza and pop will be served and there will be drawings for gift certificates for the members who worked the auction. Don't miss this meeting. **J**

TCRC Membership Chair Needed

TCRC needs a volunteer to become the club membership chairman.

The chair would be responsible for collecting the new member form when a new pilot joins the club, verify AMA membership, issue membership badges, update the club roster, among other duties. The process to do this is very well organized and easily done.

If you are interested in becoming more involved in the operation of TCRC, and becoming the membership chairman, let a board member know, **J**

Bich 18 'Muskulyot'

by Conrad Naegele

The December Mystery Plane was the Bich 18 'Muskulyot'.



B. Cheranovskii, a prolific Russian aircraft designer, was determined to 'fly like a bird' and came up with a rather radical concept in the Bich 18. In Russian, the name Muskulyot means 'Muscle power'.

The Bich 18 vaguely resembles a performance sailplane. With a cockpit in the nose, and a conventional tail group, it was constructed almost entirely of balsa. There were two wing sets, a lower left and an upper right, and a lower right and upper left, mounted on a pivot on top of the fuse, arranged to rock through plus or minus 5 degrees via cockpit pedals. As the wings rocked, their tips never touching, the portion aft of the main spar was free to flap up and down, to provide thrust. Hopefully, the outer trailing edges acted as ailerons!

On August 10, 1937, a 128-pound pilot glided 426 feet off a bungee launch, without pedaling. He then pedaled and flew 1,476 feet, with 6 wing cycles (? !). However, sustained flight was considered impossible. If the facts are correct, this oddball plane was one of the few planes to have achieved such flight prior to the 1960's.

The Bich 18 had a wingspan of 26-feet, and empty weight of 159 pounds, and a ready to fly weight of 287 pounds. **J**

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...

Composite Parts Available thru...

MICKO
Aircraft & Accessories

January 2017 TCRC Dues

With the arrival of the New Year comes the time to renew your TCRC club dues.

The TCRC board of directors met and set the 2017 TCRC dues as shown below:

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

However, if you pay your TCRC dues prior to January 15, the dues will be reduced to \$70, but they must be paid by January 15th, with no exceptions.

Dues invoices were handed out at the December 13th meeting if you were present, or mailed on December 14th.

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:

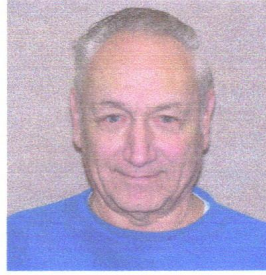
Tim Wirtz
1511 Emerson Avenue N
Minneapolis, MN 55411

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 2017 TCRC dues today and secure your discount. **J**

Safety At The Field

By Larry Couture



Here it is the end of December, 2016 and the water level at the field is 17.6 feet and rising! This year has been the worst year our field has ever had. The last time I was there was on December 1st and I was alone. I flew two flights and when no one else showed up, I left.

I found in my files this reminder of Aviation rules for regular aircraft but they seem very similar to our aircraft rules.

- Takeoffs are optional. Landings are mandatory.
- If you push the stick forward, the houses get bigger. If you pull the stick back they get smaller, unless you keep pulling the stick back . . . then they get bigger again.
- Flying is not dangerous; crashing is dangerous.
- The propeller is just a big fan in the front of the plane to keep the pilot cool. Want proof? Make it stop; then watch the pilot break out into a sweat.
- The only time you have too much fuel is when you are on fire.
- Everyone already knows the definition of a 'good' landing is one from which you can walk away. But very few know the definition of a 'great landing'. It's one after which you can use the airplane another time.
- The probability of survival is equal to the angle of the arrival.
- A helicopter is a collection of rotating parts going round and round and reciprocating parts going up and down – all of them trying to become random in motion. Helicopters can't really fly – they're just so ugly that the earth immediately repels them.
- Learn from the mistakes of others. You won't live long enough to make all of them yourself.
- There are three simple rules for making a smooth landing: Unfortunately, no one knows what they are.

Have fun and crash less, and as usual all landings from which you can fly again are great, but not often graceful, so just keep the rubber size down. J

**Safety Always
Comes First!**

Be An All Season Flyer In 2017

With the arrival of the new year comes the opportunity to earn your All Season Flyer patch.

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, January and February flights can 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 2017, plan on joining the pilots for their January flights. J

TCRC Apparel Has Arrived And Ready For Sale



TCRC's new club apparel has arrived and was up for sale at the December membership meeting.

As demonstrated by Darryl Volk, Stanley Erickson, Scott Anderson and Sherwood Heggen, the new apparel was 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

TCRC Auction Seller Online Registration

by Pat Dziuk

Happy New Year prospective sellers at the TCRC Auction.

The Twin City Radio Controllers 41th annual auction is just around the corner, on Saturday, February 4th. This year it will again be held at Cross Point Church, 9801 France Avenue South in Bloomington.

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. Online registration will be available on December 30th.

To register please send an email to auktion@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/auktion_seller_registration.htm

General information can be found at:

<http://www.tcrconline.com/pages/auktion.htm> and

<http://www.tcrconline.com>

Hope to see you all at the auction this year, and please feel free to forward this on to your fellow modelers at other clubs. J

TCRCOnline.com
You Should Be Using It!

2017 R/C and Aviation Events of Interest

Date	Event	Remarks
April 7,8,9	Toledo Weak Signals Air Expo	Toledo, Ohio
June 3 - 4	Discover Aviation Days	Anoka County Airport, Blaine, MN
June 9 – 11	Mike Gretz Memorial Fly-In	SIG Airport, Montezuma, IA
July 15 - 16	Wings Of The North AirExpo 2016	Flying Cloud Airport, Eden Prairie, MN
July 20 - 22	Watts Over Owatonna	SMMAC Field, Owatonna, MN
July 22	Warbirds Over Iowa	Cedar Rapids Skyhawks, Cedar Rapids, IA
June 23 – August 3	AMA NATS	AMA National Flying Site, Muncie, IN
June 23 - 25	R/C Scale	AMA National Flying Site, Muncie, IN
June 28 – July 1	R/C Scale Aerobics	AMA National Flying Site, Muncie, IN
July 14 – 16	CL Scale	AMA National Flying Site, Muncie, IN
July 14 – 21	R/C Pylon Racing	AMA National Flying Site, Muncie, IN
July 16 – 22	Control Line (Carrier, Aerobics, Racing, Combat, Speed)	AMA National Flying Site
July 17 – 20	R/C Combat	AMA National Flying Site, Muncie, IN
July 22 - 30	R/C Soaring	AMA National Flying Site, Muncie, IN
July 24 – 28	Free Flight Outdoor	AMA National Flying Site, Muncie, IN
July 31 – August 3	R/C Helicopter	AMA National Flying Site, Muncie, IN
TBD	Free Flight Indoor	AMA National Flying Site, Muncie, IN
July 24 -- 30	EAA AirVenture Oshkosh	Oshkosh, Wisconsin
August 10 – 12	Northern Alliance Military Fly-In	SMMAC Field, Owatonna, MN
August 17 – 19	Warbirds & Classics Over the Midwest	Fond du Lac, WI

December Raffle Winner



Brian Johnson was the winner at the December raffle at the membership meeting on December 13th. The plane was a very nice looking Horizon Hobby Pawnee Brave.

At the January 10th meeting, the raffle prize will be a Seagull Fun Fly 3D with a retail value of \$180. Chances are only \$5/each and you may enter as many times as you wish. Come to the monthly club meeting on Tuesday, January 10th at CrossPoint Church and be the next winner of the TCRC raffle.



2017 TCRC new officers were hard at it at the December meeting. Brian Johnson, Bob Breisemeister and Ken Weddell presided.

2017 AMA Dues Statements

All TCRC members should have received their 2017 dues statements in the mail in September from the Academy of Model Aeronautics.

AMA 2017 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*
- Additional family \$38

Your AMA membership gives you \$2.5 million in personal liability coverage, \$25,000 in medical coverage and also a subscription to *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.

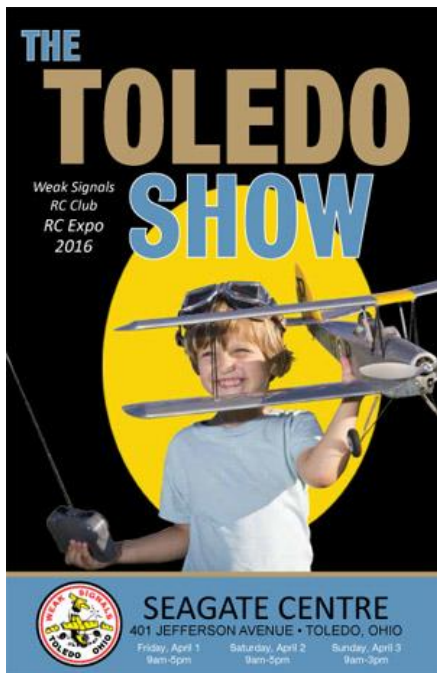
To renew your membership in AMA, the Academy gives you four methods: at the AMA website, www.modelaircraft.org; by fax at (765) 741-0057; by phone at (800) 435-9262; or by returning the renewal form you received in the mail in the supplied envelope.

Deadline for paying your 2017 AMA dues was December 15 to avoid a lapse in membership services. Pay for AMA membership dues today.

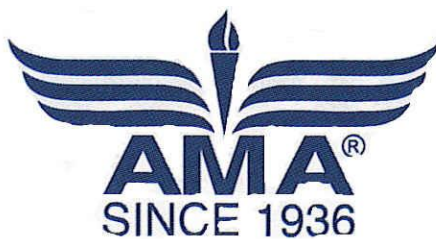
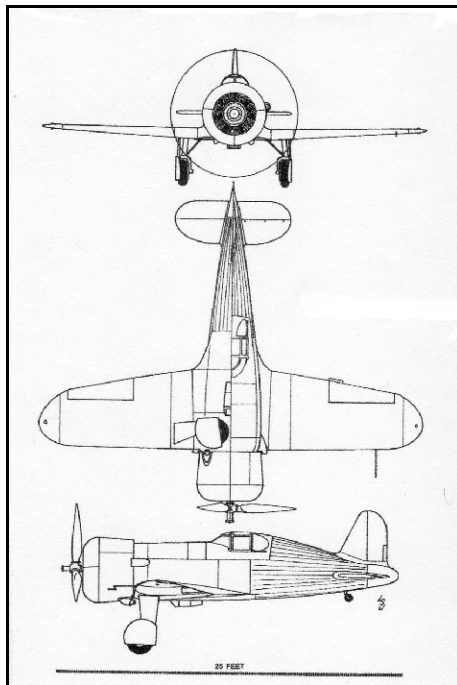
Toledo AirExpo April 7th to 9th

Winter is arriving and it is hard to think about spring, but it really isn't that far away.

With spring comes the biggest R/C Expo held here in the United States. That is the Weak Signals Air Expo in Toledo, Ohio.



January Mystery Plane



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.

2017 Officers

President	Bob Breisemeister 612-964-8877
Vice President	Brian Johnson 763-744-6379
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>

Absolutely anything sold for the R/C hobby can be found at the AirExpo. Demonstrations of the newest and hottest items will be commonplace. Anyone who is well-known in R/C will be in attendance.

Several members of TCRC make it a point to attend the Toledo Show regularly. This includes Scott Anderson, Chris, Mark and Nathan O'Connor, Mark Wolfe, and Jim Cook.

Think about attending the Toledo Show in 2017. For more information see one of the above members. **J**

TCRC Apparel Sales Were Hot




Visit Your
Local
Hobby Shop



7144 Chicago Ave S
Richfield, MN 55423
612-861-5587
MyHobbyWarehouse.com
hobbywarehouse2@aol.com
Hours Mon-Fri 10:00-7:00
Sat 10:00-6:00
Closed major holidays
Thomas Steinmueller
Stop In Today To Find Out 'The TCRC Special Of The Month'

LITTLE CANADA (651) 490-1675  **RICHFIELD** (612) 866-9575
HUB HOBBY and... Fun for the Family Games Toys Stuff!
HOURS: MON-FRI: 10:00-9:00 SAT: 9:30-5:30 SUN: 11:00-5:00
Arts & Crafts **Rockets** **Science** **Radio Control**
Games **Slot Cars** **Puzzles** **Kites**
Plastic Models **Trains** **Toys** **& Much More**
LITTLE CANADA Visit Us Online At **RICHFIELD**
82 Minnesota Ave. **HUBHOBBY.com** **6410 Penn Ave. S.**
Little Canada, MN 55117  Find us on Facebook **Richfield, MN 55423**
(Hwy 36 & Rice St.) **Facebook** **(2 Blks S of Lunds)**

HOBBY

HOBBYZONE.com
Check us out! 763-551-1159
info@hobbyzone.com
3700 Annapolis Lane N, Suite #175
Plymouth, MN 55447
Monday - Friday 10AM - 5:30PM
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