



February

Minneapolis, Minnesota U.S.A.

2014

38th TCRC Auction Is February 8th

by Jim Cook

Saturday, February 8th is the 38th Annual TCRC Auction. That is now!!! As it has been the last several years it will be held at CrossPoint Church at 98th Street and France Avenue in Bloomington. Doors open at 7:00 AM, registration starts at 8:00 AM, impound review at 9:00 AM and the first item goes onto the auction block precisely at 9:30 AM.

The auction is the biggest event of its kind in the upper Midwest and people come from the surrounding five states to sell items and to buy items.

If you are planning on selling a lot of items at the auction, or even just a few, webmaster Pat Dziuk has the registration program running on the club website, TCRCOnline.com. Using this pre-registration on the website is extremely helpful to the club and will help to lessen the congestion that occurs at the buyer and seller registration tables just in the doors of the church. (See page 10 of this newsletter for more information on registration via the website.)

President Bob and VP Mike both stress in their articles in this newsletter the very great need the club has in getting EVERY MEMBER possible to work at this event. And not just the members, but spouses, older children, and friends are also welcomed with open arms. If you have not already signed up to work the auction, we can use help at the buyer and seller registration, the impound area, the concessions, recording, cashier, moving products to and from the stage, spotters and clean-up -- just about everywhere. We will be reviewing and finalizing all of the auction needs at the February 4th membership meeting. This meeting is moved up from its normal date so that final plans are put in place before the auction the next Saturday. Please don't miss this meeting! We will have pizza and pop available to all members in attendance at the February 4th meeting.

If you are new to the auction, the general rules are that:

- Admission is \$4 for everyone
- All items are for R/C flying.
- Minimum opening bid is \$20
- Incremental bids are \$5 minimum
- Sellers can protect their item by being final bidder.
- Buybacks are 10% up to a maximum of \$20.
- Decisions of the auctioneer are final.

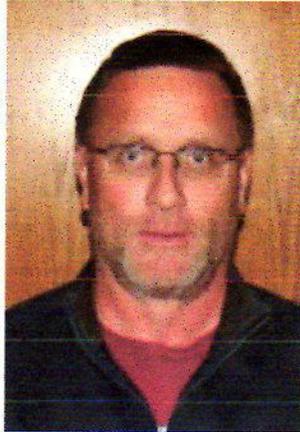
To help promote that buyers stay for the entire auction, the club will have some very nice door prizes that will be only for non-TCRC attenders, and those items will be given away after the last auction item has been sold. Winners must be present!

This is going to be another great auction, but only you can make it great by being there!

Be a worker, a buyer and a seller at the 38th Annual TCRC Auction on February 8th at CrossPoint Church in Bloomington. See you there! **J**

A Note from The Head Wing Nut

By Bob Briesemeister



Hello TCRC members!

I hope with this cold weather we are having you have been in your shop or garage getting some RC building projects done and not just completing items on your "Honey Do" list. I also hope that you have had a chance to look through your garage for items that you'd like to sell at our Annual Auction on February 8th so that you are able to purchase some new items during the auction for your flying enjoyment next season.

This is my last chance to ask you to sign up to help at the auction. We always need lots of volunteers to make the auction a success and keep things running smoothly. Look at it as an excellent chance to meet some of your fellow club members or see some old friends from years gone by. Remember, the next meeting has been moved to February 4th so that we can make sure we are ready for the auction. We will have pizza and pop at the meeting.

At the last membership meeting I mentioned that I was changing the location of the June 10th membership meeting to the TCRC flying field. What I'd like to do is have open flying and some food before the meeting, which will be held at the regular time of 7:00 p.m. After a short meeting, we will have some exhibition flying of both planes and helicopters by some of our expert pilots. There will be more information at a later date on the details of the meeting.

We also discussed holding regular "Help your Buddy Fly Nights". We hope this will be a good chance for our beginner and novice flyers to get help with any problems they may be having with their planes, programming radios, etc. Experienced flyers will be on hand to help solve problems and to provide coaching for improving everyone's flying skills. If you have any suggestions for this program be sure to share them with me or a board member. We'll also be looking from some volunteers once the flying season begins.

It was further decided to begin posting membership meeting minutes on the website in the 'Members Only' section for the benefit of those who can't regularly attend the meetings due to evening work hours, etc.

A raffle was held at the last meeting with the profits going into the club treasury. We hope this will become a monthly event. The prize, an electric Albatross plane, was won by Tim Wirtz. This month we'll raffle off a Great Planes Escapade MX. This ARF can be set up as either glow or electric powered. Raffle tickets are \$5.00 each... Good Luck to all!



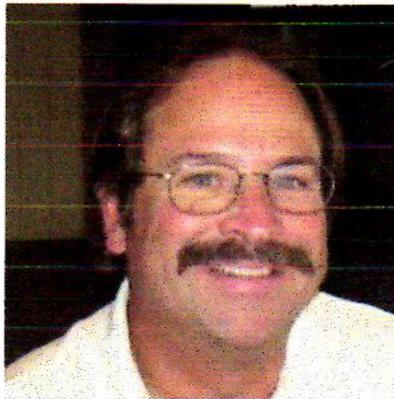
Tim Wirtz was pretty happy to win the membership meeting raffle in January. (Photo by Jim Cook)

I hope to see you at the meeting. If not, I'd like to definitely have your help at the TCRC Auction on February 8th.
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.

Wingman

by VP Mike Robin



Hello to all of you!

I have been at the TCRC field along with a few other members a couple of times in January. We had a great time and the field was in great shape for winter flying. The parking lot and pit area had been plowed to make the day enjoyable. Hopefully, the month of February will be a little warmer! Put on a set of skis and join us for some good winter flying!

Remember, the TCRC meeting is February 4th this month. The meeting is dedicated to Auction planning, so I will not be doing a program. Since the Auction is February 8th, everyone has only a few days left to get their items ready to sell. It is nice to have all of your stuff ready and the paperwork done a few days prior to the Auction.

This time of year is the perfect time to check all of your batteries and cycle them. With today's modern chargers you can spend several hours learning all of the features during the winter so you can keep all of your batteries in perfect condition.

One thing I like to do is to check the bearings of my electric motors and oil them. Since most motors are inside a cowl it is easy to forget to do this easy maintenance task. If you have a new transmitter, or have not spent much time with your current one, why not try some of the features like copying your model to another bank and experimenting with different flight modes? If you have telemetry features now is a good time to learn how to use them and to install some sensors.

If you have a two-stroke gas engine in your airplane, it is always a good idea to replace all of the fuel lines and clean the tank so it is ready for that first nice day at the field. Nitro fuel lines typically require just a close inspection for damage. The tank stopper is usually the weak point, so remember to do a pressure test for leaks; otherwise the result is a fuel soaked airplane.

If your servo wires are flopping around in your wing or fuselage, chances are that your servo wire insulation is getting damaged on every flight. Over a period of time the bare wire is exposed resulting in a short

or severed wire causing a sudden crash. It is a good idea to remove all servos and inspect for this common damage. You can install lightweight expandable wire sleeves over your wires to help protect them from damage.

If you are using Spektrum/JR satellites, the wires are prone to break at the connector so this is another easy thing to check.

Have Fun with your hobby! J

Calendar

| | |
|--------------|---|
| Every Friday | Dome Flying Golf Dome Long Lake 9:00 PM to Midnight |
| Feb. 4 | Membership Meeting, 7:00 PM CrossPoint Church Bloomington Special Meeting For Final Auction Prep. Pizza & Pop for All |
| Feb. 7 | Auction Set-up CrossPoint Church 5:00 PM |
| Feb. 8 | TCRC Auction 7:00 AM – 5:00 PM CrossPoint Church Bloomington |
| Mar. 1 | End of Winter Funfly TCRC Jordan Field 10-10-10 Rule |

**You Are Needed
At The TCRC
Auction!!!**

2014 TCRC Dues

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

The TCRC board of directors elected to leave the dues the same as 2013:

- Regular \$85.00
- Junior \$42.50
- Social Affiliate \$30.00

Dues invoices were handed out at the December 10th meeting if you were present, or mailed on December 11th.

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 membership chairman Bernie Gaub at a meeting or by mailing them to Bernie at:

Bernie Gaub
11037 Stanley Curve
Bloomington MN 55437

The TCRC board also held 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 2014 TCRC dues today. J

**Pay Your TCRC
Dues Today**

2014 AMA Dues Statements

All TCRC members should have received their 2014 dues statements in the mail in September from the Academy of Model Aeronautics.

AMA 2014 dues have not changed from the previous year. They are:

- Adult (19-65) \$58
- Senior (65 and up) \$48
- Under 19 \$1
or \$15 with *MA*
- Additional family \$30

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 \$29.95 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. J

Pay your 2014 AMA dues as soon as possible to avoid a lapse in membership services. J

TCRC Membership Report

by **Bernie Gaub**
Membership Director

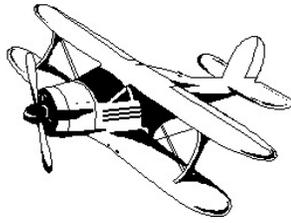
The current 2014 membership renewal count is up to 99 renewals. Two of these have AMA renewal issues, consequently their 2014 TCRC badges have not been issued. We have contacted these members and expect resolution shortly. Considering that we ended 2013 with 120 members, this renewal rate is impressive.

Of the 99 renewals, 95 per cent have photos for their badges. This resounding acceptance of photos for our TCRC badge is far greater than we anticipated. We want to thank each and every one of you for supporting the photo addition of the TCRC badge. A TCRC badge indicates not only that you are a member of TCRC, but also that you are a member of AMA (social members do not need an AMA membership to be a member of TCRC).

A TCRC Roster as well as the TCRC Roster Data spreadsheet will be posted to our web page at the end of February. The Roster and the Roster Data spreadsheet indicate who our members are and various information regarding them and the RC equipment that they use. J

**TCRC
A Great Club!**

Show & Tell



More nifty aircraft showed up at the January membership meeting.



Greg Seewald had a great looking Diamond Dust delta-wing aircraft at Show & Tell. This plane was done in yellow Ultrakote with red trim and had an OS 32 2-stroke for the engine. The engine turned at 15,000 rpm and the plane could reach 110 mph.



Jim Lundquist had an Ace SeaMaster 120 at the meeting. Someone had started this plane about 20 years ago and Jim ended up with it. He had to change quite a bit of the structure but the completed plane looked great. It was covered in white with red rim Solar-Tex and had an OS 160 in it for a powerplant. The wing span was 74-inches and its weight was 18-3/4 pounds. Jim said the quality of the kit was fair. As of the meeting this plane had not had its maiden flight but I would expect that it will be seen at the TCRC Spring Float Fly in May.



Larry Couture had a good looking Dago Red P-51 Mustang which was an ARF from Hobby King. The plane was done in red with yellow/white trim and had a 63-inch wingspan. It weighed in at 6.2 pounds. For power it was electric with a 4558 motor. Larry felt the quality of the plane was good and the maiden flight is scheduled for the spring.



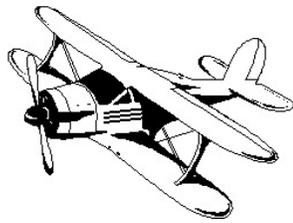
Larry also had a Green Models Albatross DVA ARF at the meeting. This electric had a 2815 motor and was done in classic German red, with white tailfeathers. It had a 52-inch wingspan and weighed 2.8 pounds. The maiden flight will be in the spring.



Sherwood Heggen and Katana

Continued on Page 6, Column 1

Show & Tell



Continued From Page 5

Sherwood Heggen had a Katana 140 which he picked up used. (Photo on page 5) The kit is done by CMP. This was another of Sherwood's rescue/restoration projects and the finished product reflected his building and repairing skills. The plane had a gas MLD 28 which swung a 17x6 prop. It was covered with Ultrakote and painted orange, white and black with Rustoleum paint. The wingspan was 72-inches and it weighed in at 13 pounds. The maiden flight is scheduled for the spring.



Chris O'Connor had the fuse of a giant-scale P-47 which was from a Tom Flite ARF kit. He had removed the covering and was in the process of smoothing and making modifications to the plane. The plane is going to be powered with a Sachs 4.2 gas engine. This was just a progress report but Chris said that the members would see the P-47 as it headed for completion sometime this spring.

Danny Collier had the jet turbine that will be used in his Jetcat. The turbine was a P-90 and would develop 23-pounds of thrust. J

TCRC Meetings Well Attended



TCRC members and guests were very attentive as the club officers ran the January meeting.

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TCRC Annual Calendar 2014

| Date | Event | Remarks |
|-------------------|---|---|
| January 4 | 2014 All Season Flyer Kick-Off | TCRC Model Air Park, 10-10-10 Rule |
| January 8 | 1 st Quarter BOD Meeting –Auction Plan | Cross Point Church, 6:00 PM |
| January 14 | Membership Meeting | Cross Point Church 7:00 PM |
| February 1 | All Season Flyer | TCRC Model Air Park, 10-10-10 Rule |
| February 4 | Membership Meeting (Final Auction Prep) | Cross Point Church 7:00 PM Pizza & Pop |
| February 7 | Auction Set-Up | Cross Point Church 5:00 PM |
| February 8 | TCRC 38 th Annual Auction | Cross Point Church 7:00 AM to 5:00 PM |
| March 1 | End of Winter Fun Fly | TCRC Model Air Park, 10-10-10 Rule |
| March 11 | Membership Meeting | Cross Point Church 7:00 PM |
| April 2 | 2 nd Quarter BOD Meeting | Bob Breisemeister Home 7:00 PM |
| April 5 | April Food Fun Fly | TCRC Model Air Park, 10-10-10 Rule |
| April 8 | Membership Meeting | Cross Point Church 7:00 PM |
| May 10 | Model Air Park Clean-Up & Fun Fly | TCRC Model Air Park |
| May 13 | Membership Meeting | Cross Point Church 7:00 PM |
| May 13 | TCRC Building Contest | Cross Point Church 8:00 PM Tim Wirtz |
| May 17 | Spring Float Fly (Open) | Bush Lake Park, Bloomington, Steve Meyer |
| May 24-26 | Hanson Family Fun Fly | Kris Hanson Farm, Mayer, MN |
| June 7 | Father Hennepin Days R/C Show | Champlin, MN Tim Wirtz, Gerry Dunne |
| June 8 | Pylon Racing League | TCRC Model Air Park Noon Paul Doyle (Runways open to all flying between races) |
| June 10 | Membership Meeting | TCRC Model Aircraft Park, 5:30, Brats & Dogs |
| June 21 | Electric Fly-In & Camp-Out | TCRC Model Air Park, Gerry Dunne |
| July 8 | Membership Meeting | Cross Point Church 7:00 PM |
| July 13 | Competition Fun Fly | TCRC Model Air Park, Kris Hanson |
| July 13 | Pylon Racing League | TCRC Model Air Park Noon Paul Doyle |
| July 19 | Wings Over Jordan Fun Fly (Open) | TCRC Model Air Park, Mike Robin |
| August 1-3 | Wisconsin Fun Fly | Siren & Rice Lake, Bill Sachs & Jim Cook |
| August 6 | 3 rd Quarter BOD Meeting | Bob Breisemeister Home 7:00 PM |
| August 10 | Pylon Racing League | Model Air Park Noon Paul Doyle (Runways open to all flying between races) |
| August 12 | Membership Meeting | Cross Point Church 7:00 PM |
| August 23 | Model Aviation Day (Open) | TCRC Model Air Park, Scott Anderson |
| September 7 | Pylon Racing League | Model Air Park Noon Paul Doyle (Runways open to all flying between races) |
| September 9 | Membership Meeting | Cross Point Church 7:00 PM |
| September 20 | Scale Fly-In & Camp-Out (Open) | TCRC Model Air Park, Scott Anderson |
| October 4 | Fall Float Fly (Open) | Bush Lake Park, Bloomington, Steve Meyer |
| October 5 | Pylon Racing League | TCRC Model Air Park Noon Paul Doyle (Runways open to all flying between races) |
| October 11 | Season Finale | TCRC Model Air Park, Bob Breisemeister |
| October 14 | Membership Meeting | Cross Point Church 7:00 PM |
| October 19 | Pylon Racing League Rain Date | TCRC Model Air Park Paul Doyle (Runways open to all flying between races) |
| November 11 | Membership Meeting & TCRC Elections | Cross Point Church 7:00 PM |
| November 15 | TCRC Annual Banquet | David Fong's Restaurant, Prior Lake |
| December 3 | Joint BOD Meeting | Bob Breisemeister Home 7:00 PM |
| December 6 | All Season Flyer Finale | TCRC Model Air Park, 10-10-10 Rule |
| December 9 | Membership Meeting | Cross Point Church 7:00 PM |

2014 R/C and Aviation Events of Interest

| Date | Event | Remarks |
|--------------------|--------------------------------------|--|
| March 21 – 22 | Great Minnesota Aviation Gathering | Golden Wings Museum, Blaine MN |
| May 31 – June 1 | Discover Aviation Days | Anoka County Airport, Blaine, MN |
| July 19 – 20 | Wings Of The North AirExpo 2014 | Flying Cloud Airport, Eden Prairie, MN |
| July 25-27 | Watts Over Owatonna | SMMAC Field, Owatonna, MN |
| July 7 – August 7 | AMA NATS | AMA National Flying Site, Muncie, IN |
| July 7 – 10 | R/C Scale Aerobatics | AMA National Flying Site, Muncie, IN |
| July 11 – 13 | R/C & CL Scale | AMA National Flying Site, Muncie, IN |
| July 13 – 19 | R/C Pylon Racing | AMA National Flying Site, Muncie, IN |
| July 14 – 19 | Control Line | AMA National Flying Site, Muncie, IN |
| July 15 – 18 | R/C Combat | AMA National Flying Site, Muncie, IN |
| July 20 – 25 | R/C Aerobatics | AMA National Flying Site, Muncie, IN |
| July 26 – August 2 | R/C Soaring | AMA National Flying Site, Muncie, IN |
| July 28 – August 1 | Free Flight Outdoor | AMA National Flying Site, Muncie, IN |
| August 3 – 7 | R/C Helicopter | AMA National Flying Site, Muncie, IN |
| TBD | Free Flight Indoor | AMA National Flying Site, Muncie, IN |
| July 28 – August 3 | EAA AirVenture Oshkosh | Oshkosh, Wisconsin |
| August 8 – 10 | Northern Alliance Military Fly-In | SMMAC Field, Owatonna, MN |
| August 14 – 17 | Warbirds & Classics Over The Midwest | Fond du Lac, Wisconsin |

TCRCOnline.Com
Your Link To TCRC

New Member

In January John Pauly became a member of TCRC.



John lives with his parents at 2447 W. 64th Street in Excelsior, 55331. His phone number is 952-470-0747 and his email address is johnpauly14@hotmail.com. John is a junior member and has been flying for two years. He is currently flying a Cub trainer.

When you see John at a meeting or the field, be sure and introduce yourself and welcome him into TCRC. **J**



AMA Club #383

Cross Point Church
9801 France Avenue South
Bloomington, Minnesota



TCRC 38th ANNUAL AUCTION

Twin City Radio Controllers – Minneapolis, MN
Saturday, February 8, 2014



Concessions & Door Prizes!

- Hot Coffee & Donuts
- Soda/Pop
- Hot Dogs & Chips

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 @ 8:00 am
Auction Begins @ 9:30am

Details:

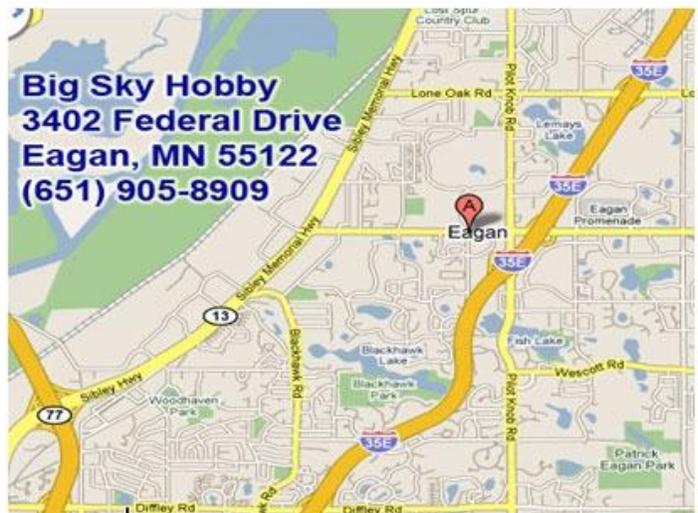
- \$4.00 Admission: includes Bidder's Card
- \$20.00 Minimum Opening Bid. Nothing will be sold for less than \$20
- Commission of \$5 or 10% whichever is greater.
- SELLER MUST attach a brief description to EACH item being sold
- Pre-Registration Available for Sellers
- BUYBACKS @ 10% up to a maximum fee of \$20

Questions?

- E-mail: Auction@TCRCOnline.com
- Call Jim 952-445-5257 or Scott 952-934-1471
- **MORE Info at** <http://www.tcrconline.com/pages/auction.htm>



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Curtis SC-1 Seahawk

by Conrad Naegele

The January Mystery Plane was the Curtis SC-1 Seahawk.



The last of a line of single-float shipboard seaplanes, the SC-1, was developed to replace the SO3C and OS2U. Design began in 1942. A contract was let for seven prototypes on March 31, 1943. The first prototype was flown February 16, 1944. The XSC1 was all-metal stressed skin, with a central main float and stabilizing wing tip floats. Although a single-seater – a bunk was installed behind the pilot in the event of air/sea rescue. Two 100-lb. bombs could be carried in the main float via a bomb door and alternately two 250-lb. bombs under the wing. Provision was made for fixed wheel landing gear for ferrying purposes.

The plane was not officially reported in action until the pre-invasion of Borneo in June 1945. A total of 552 units were delivered. At the end of production, two airplanes, the XSC-2, were redesigned for two-place for wider uses. These differed from the originals in now having a circular section fuselage and the framed canopy was displaced by a free-blown canopy. The plane was refitted with a 1,425 horsepower R1820-68, and these planes were equipped for camera missions. Only 9 SC-2's were completed for the Navy, delivered in October 1946. The total production of prototypes, modified and 'new' planes totaled 557.

In reviewing, this plane really had no place or real purpose and must have involved a rather staggering amount of money, time and effort!

The Curtiss SC-1 used Wright 1820-62 or Wright 1820-69 engines that were both 9-cylinder and air-cooled. The wingspan was 41 feet, it had a gross weight of 7,936 pounds, a speed of 313 mph and a range of 1,090 miles. J

TCRC Auction Seller Registration

by Pat Dziuk

The Twin City Radio Controllers 37th annual auction is just around the corner, on Saturday, February 8th. 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.

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 can be found at:

<http://www.tcrconline.com/pages/auction.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

Don't



Forget!

The TCRC Membership meeting for February has been moved up a week to Tuesday, February 4th.

This has been done so that the club can make final plans for the Annual Auction which is the very next Saturday.

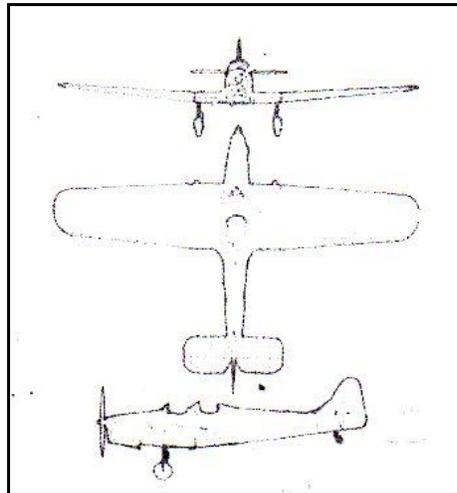
We need your ideas and your presence at this meeting!

And finally everyone who does come to the February 4th meeting will be treated to free pizza and pop. So let's see you there. J

TCRC Membership Meeting Minutes Now On Website

TCRC secretary Jim Ronhovde reports that the minutes from TCRC membership meetings are now on TCRCOnline.com in the 'members only' section. J

February Mystery Plane



Raffle Now At Membership Meetings

The TCRC board has decided to try having a raffle at each of the monthly membership meetings, and the first was held in January. A very nice electric Albatross was the prize and the members participated strongly. Tim Wirtz was the winner and very happy for the aircraft.

At the February meeting the raffle prize will be a Great Planes Escapade MX, an ARF that can be flown either with electric or glow.

Raffle tickets are \$5.00 each and members are not limited on the number of chances they purchase.

Profits from the raffle will go into the club treasury. In addition to the profit it is hoped that this will increase attendance at the meetings also. J

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Editor, Jim Cook
@ Flare Out Publisher
1177 Polk Street
Shakopee, Minnesota 55379

Great Programs At The Meeting!



VP Mike Robin is in charge of programs for the membership meetings, and at the January meeting he presented a two-part presentation: 'Tips for Buyers and Sellers At the TCRC Auction'; and 'Tips for Winter Flying'. In the photo above he is explaining the installation of snow skis. Both presentations were very informative and those in attendance felt they learned a lot. The February meeting will be devoted to auction preparation and there will not be a program. J

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.

2014 Officers

| | | |
|----------------|-------------------|--------------|
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| Vice President | Mike Robin | 952-440-1331 |
| Secretary | Jim Ronhovde | 952-854-9062 |
| Treasurer | Tim Wirtz | 952-941-5357 |

TCRC Flare-Out

| | | |
|-------------|---|--------------|
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| | & Mike Timmerman | 952-496-1631 |
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