

Membership Meetings Producing Magnificent Airplanes

by Jim Cook

TCRC Auction February 11th

by Jim Cook



Stan Erickson had a very nice Sea Cruiser at the January meeting. This tri-tail float plane was done in US trainer colors of yellow wings and blue fuse. It was covered with Ultrakote and then Viking fiberglass paint. It had a 60-inch wingspan and weighed in at 6.5 pounds. The plane was powered by a Super Tigre 51 two-stroke engine. As of the meeting the Sea Cruiser had not had its maiden flight but Stan said he was just waiting for enough snow and it would take to the skies soon over the Jordan flying site.

Steve Meyer had a beautiful World War I SPAD 13 at the meeting. This giant-scale airplane was an ARF from Maxford RC and was cover-

(Continued On Page 3, Column 1)

TCRC's 36th Annual Auction will be held on Saturday, February 11th at CrossPoint Church in Bloomington, Minnesota. This is the upper Midwest's largest R/C auction and hobbyists from Minnesota and its surrounding states show up in force to buy and sell some really great R/C airplanes and the supporting accessories.

This is TCRC's biggest man-power (and woman power) event of the year. The club needs the help of every member and quite a few spouses to make it a success. Help is needed in set-up, bidder registration, seller registration, the impound area, concessions, record keeping, flow of items to and from the auction stage, spotters, security and clean-up.

Continued On Page 2, Col. 1

**Remember:
Membership
Meeting On
February 7th**

TCRC Auction February 11th

Continued From Page 1

TCRC has moved its February meeting to Tuesday, February 7th so that the meeting can be used as a final planning and preparation session prior to the auction on the next Saturday. Pizza and pop will be served to all in attendance.

In addition, TCRC has scheduled a set-up work session at CrossPoint Church starting at 5:00 PM on Friday, February 10th.

For those members who have items to sell at the auction, webmaster Pat Dziuk has set up a pre-registration area on TCRCOnline.com to make it easier to register and to save time on the morning of the auction. (See article on page 11 of this newsletter for further details). Remember that the club has a \$20 minimum opening bid, so sellers should bundle smaller items to make sure that every item coming to the auction block will receive an opening bid.

Because this event attracts so many people, it is very important that TCRC club members park their cars in the Normandale College parking lot that is kitty-corner across France Avenue and 98th Street. Members will set up some kind of shuttle service so that TCRC'ers do not have to walk that distance.

Members should take a look at their R/C planes and equipment and determine what they need to sell and what they need to buy and get ready for the TCRC Annual Auction on Saturday, February 11th at CrossPoint Church. J

From The Flight Deck

By President Tim Len



Hi Everyone

Welcome to February 2012, so far this winter has been kind to us. I'm sure many of you have been able to take advantage of it as far as flying goes. A couple of weeks ago, I was able to take advantage of it as well and get a maiden flight in on my Parkzone F4F Wildcat. This RC airplane flies fantastic and is a great little war bird to fly.

It was great to see many of our members out at the field taking advantage of this great weather and getting some flying in. If this keeps up, we may not have to close the field from spring flooding. I will keep my fingers crossed.

I would like to take this time to thank many of our TCRC club members who have volunteered to help with this month's auction, which will be held on February 11, 2012 at Cross Point Church in Bloomington. Your help is greatly appreciated, thank you.

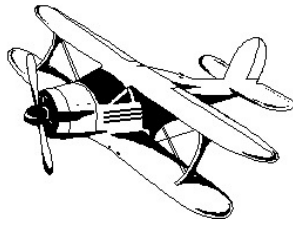
I would like to mention that the 58th annual Weak Signals RC Expo will be held on April 13th, 14th and 15th of 2012, in Toledo Ohio. Don't forget to try and make arrangements early as hotels fill fast, it is the biggest RC show in the country.

I look forward to seeing everyone at the February meeting. Remember we are holding that meeting one week early on Tuesday, February 7th so we can do some final planning and preparation for the auction that next Saturday.

Take care out there and remember build, fly and have fun, :) J

TCRC's Annual Auction
Saturday, February 11th
Cross Point Church, Bloomington
We Need Your Help!

Show & Tell



Continued From Page 1



ed with a plastic-like Monokote. It was done in a tan and had large roundels on the wings and fuse. It had a wingspan of 68 inches and weighed in at 14 pounds. The power plant was a Zenoah G-26 and swung an 18x6 prop. Steve said the plane has yet to have its maiden flight.



Gerry Dunne had a B-25 Apache Princess to show all at the meeting. This electric ARF was manufactured by ERC (Hobby Lobby) and was done in green with white stripes on the wings. Fully loaded it weighed in at 60 ounces and had a 53-inch

wingspan. The twin motors were powered with a 2650 mah 3-cell lipo. Gerry had yet to put the maiden flight on this bomber.



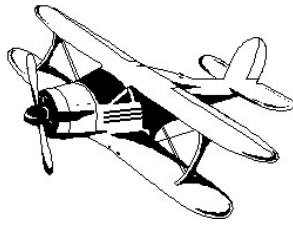
Gerry also had another electric ARF at the meeting. This one was an F-16 manufactured by Phase 3. It was done in white with red and blue trim on the wings and stab. The power plant was a ducted fan using a HET 2W motor and a 2650 mah 3-cell lipo.



Conrad Naegele had a nifty looking electric Lorelei on floats. He built this plane from plans and was covered with Ultrakote. The wings were white with red scallops on the leading edge and the fuselage was red and white. The wingspan was 36 inches and fully loaded it weighed in at 20-1/2 ounces. The motor was a BP 2112 and the battery was a 1320 mah 3-cell lipo. As of the meeting, Conrad had not put the maiden flight on this float plane.

Continued on Page 4, Column 1

Show & Tell



Continued From Page 3



Joe Neidermayr had a PBY Catalina at the meeting. This was a Dynam-Nitroplanes ARF foam plane. Joe had done a very nice job of painting the plane with Model Master spray paint. It had a light blue fuse and wing with yellow trim. The underside of the wings and fuse were done in white. The wingspan was 58 inches and the total weight was 3.3 pounds. He had twin 1100 KV motors in it and they swung 8x6 3-blade props. A neat alteration Joe had made was to make the wingtip floats retractable. The plane had not had its maiden flight as yet.



Joe also had a Macchi M5 manufactured by Park Flyer Plastics. Joe called it a 'short kit'. This biplane had white wings and fuse of Koverall but he had added a wood covering on the fuse. The wings had a cable strut system for strength. The wingspan was 51 inches and total weight was 2.6 pounds. Motor was a 2822 1200 KV pusher.



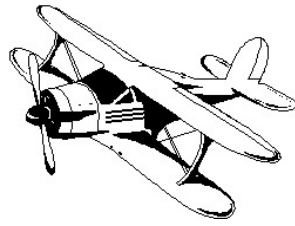
Tim Len had a Hanger 9 Cessna 182 giant-scale ARF. This impressive plane was done in classic white wings and fuse with red trim. The wingspan was 95-inches and it weighed in at 22 pounds. Tim had put a DLE 30cc gas engine in the plane and I believe he said there were 14 servos in it. The date of the maiden flight had not been set yet.



Paul Doyle had a sharp looking A-1 Skyraider ARF manufactured by Star Max. This plane was done

Continued On Page 5, Column 1

Show & Tell



Continued From Page 4

in USAF gray with white control surfaces. The wingspan was 63 inches and the total weight was 6 pounds. The electric motor was a 5065 380 KV developing 2,000 watts. The plane had flaps and air brakes. The maiden flight had not been done as yet.



Mark Wolf had his giant-scale Curtiss biplane at the meeting. This was a progress report for the aircraft. The wings had been covered and the fuselage ready for covering. The engine was a Saito 18. Finish date for the plane is this spring.



Sherwood Heggen had a Nomad glider built from plans he obtained from the August-September 1961 Flying Models magazine. The plane was designed by Ted Strader. It was done in white Orocove with red trim. Sherwood had put a BL 2217 electric motor in the engine pod. The wingspan was 64-inches and the total weight was 24 ounces. This was nostalgia for Sherwood as he had built the same plane with a 48-inch wingspan and a Cox 049 glow engine. That was 40 years ago. He said the plane was a gentle easy flying model which deserved to be built again. J

TCRC Decals Available At Membership Meetings

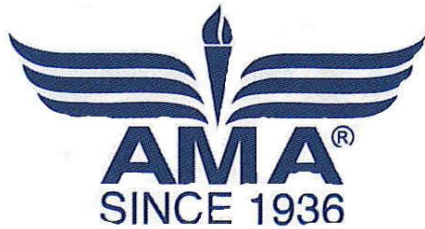


TCRC member Mike Robin printed some very nice color decals for the club.

As shown above, these decals are 3-1/4 inch by 2 inch and consist of the TCRC wings logo. Mike printed about 1,000 of the decals and has made them available to any club member.

To obtain a few decals you need only come to a regular membership meeting and ask one of the officers for the decals. They can be put on plane wings, car windows or most any other place you might want to put a decal.

A big thank you to Mike Robin for putting the time and effort into making the decals and then giving them to the club members. J



Government Relations

(This article is reprinted from the Academy of Model Aeronautics website modelaircraft.org. It was posted on January 20, 2012.)

Welcome to the Academy of Model Aeronautics' Government Relations page. As the FAA looks to regulate the hobby, sport and educational pursuit of model aviation, this site will keep you informed of the latest news and serves as an outlet to let your voice be heard by AMA and key officials nationwide.

AMA January 20th

We now know that the release of the Notice of Proposed Rulemaking for the small Unmanned Aircraft Systems rule has officially slipped to 'Spring 2012'. However, there's still a chance we may see the NPRM sooner rather than later and it wouldn't be too surprising to see the proposed rule as early as February or March.

Here's what we know so far:

- FAA has determine the need to regulate model aircraft (MA) activity and are including operating criteria for MA in the upcoming small Unmanned Aircraft Systems (sUAS) rule.

- Though the exact content of the rule is not yet known due to the ex parte requirement of the rulemaking process, we have been told the MA criteria will be very restrictive.

- The proposed rule will specify when, where and how model aircraft fly and will most likely include significant restrictions on altitude, speed, and operations near airports.

- The rule will also have a provision allowing AMA to develop its own set of 'standards' that if accepted and adopted by the FAA can be used as an alternative means of complying with the sUAS regulation, if and when it's implemented.

- AMA currently has a workgroup in place that is working with FAA's Unmanned Aircraft Program Office (UAPO) in developing a set of standards that, with greater attention to safety, will hopefully allow modelers to continue to operate and enjoy the hobby in much the same way as they do today. Unfortunately, we are still a long ways away from finalizing the content and being able to speak to the specifics of the MA standards.

- AMA is timing its standards development process so as to have a set of MA standards accepted and adopted by the FAA by the time the sUAS rule becomes regulation in mid to late 2013.

We know that the release of the sUAS Notice of Proposed

Rulemaking is imminent, but until the proposed rule is published and the actual content is known we're unable to isolate and speak to the specific issues. We're in an unfortunate wait and see mode. Nevertheless, this is still a very dynamic situation and we need to remain vigilant and attentive to the issues as things evolve. Once the NPRM is released, it's extremely important that each and every modeler and anyone with an interest in model aviation participate in the public comment process. The most current information on the NPRM and the proposed rule can be found on this webpage, on Facebook at <http://www.facebook.com/AMAGov> and on Twitter at <http://www.twitter.com/AMAGov>. In addition AMA's magazine Model Aviation will have updates on the NPRM, although not as timely as the websites. J

Calendar

Feb. 4	All Season Flyer Jordan Field 10-10-10 Rule
Feb. 7	Membership Meeting, 7:00 PM Auction Planning CrossPoint Church Bloomington
Feb. 10	Auction Set Up 5:00 PM CrossPoint Church
Feb. 11	TCRC Auction 7:00 AM to 5:00 PM Cross Point Church
Mar. 3	End of Winter Funfly Jordan Field 10-10-10 Rule

TCRC STOCK Parkzone T-28 Pylon Racing League

by Paul Doyle

Hello TCRC pilots.

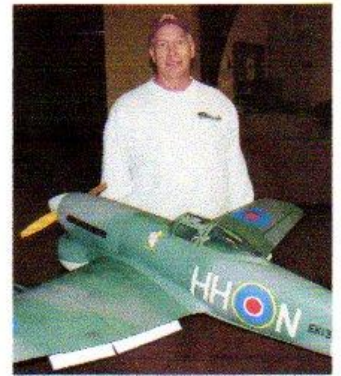
As many of you know last year due to a shortened flying season and less than perfect field conditions Gerry Dunne and myself decided against holding a 3rd season of the GWS Pylon Racing League. This year we are pleased to announce we are bringing the excitement of pylon racing back to TCRC!

Well if you read the title of this article I'm happy to announce that after a year of contemplation we have decided to make some major changes to the league to bring back some of the excitement and thrill of racing with a new platform that was chosen to level the playing field and that should allow more of our club members the opportunity to easily participate and enjoy the thrill of racing. That platform will be the STOCK Parkzone T-28. Don't get me wrong the prior year's race league was fun but not everybody wants to try and control a 33-inch warbird blazing down the course at 80+mph, so we decided on using a the remarkable flying Parkzone T-28 as our leagues race plane.

Racers will be allowed to use either the bind-n-fly or plug-and-play version of either the Air Force or Navy Parkzone T-28 as both versions use the same motor and speed controller, the battery will be limited to a 3s lipo with a maximum of 2200mah and up to 40c. The course will be the original 300-foot

Veep's Corner

By Chris O'Connor



Have you been to a TCRC meeting lately? You don't know what you're missing. Last month was all Show & Tell and we had eleven beautiful planes to see. They ranged from a small electric Lorelei on floats all the way to some great giant-scale planes including a Cessna 182, a Curtiss Bipe and a SPAD 13.

The big news this month is the annual TCRC auction is just about here. This is a great time to help out the club, plus meet your fellow members that you haven't seen for a while. **WE NEED YOUR HELP. PLAN ON SPENDING PART OF YOUR DAY HELPING AT THE AUCTION, SATURDAY FEBRUARY 11th** at Cross Point Church in Bloomington.

Because of the auction February's meeting will be held one week early on February 7th so that we can do some final preparations for the auction the next Saturday.

The program for the meeting will be a good one. President Tim Len will be discussing all aspects of Lipo batteries. This should really be an interesting presentation.

At the last meeting, I asked the question to everyone in attendance, what's your dream plane. When you have the answer, why not build and fly it. Winter is going by fast. Soon you will be out flying again, hopefully with that plane you always wanted.

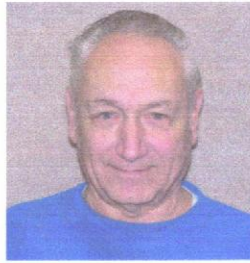
Remember, TCRC meeting is early this month, the first Tuesday, February 7th. We hope to see you there. **J**

distance between the pylons, and the planes will takeoff from the runway. Again this is a BONE STOCK race league with no modifications allowed except for the addition of paint or decals.

Please let Gerry or I know if you're interested in racing this year so we can get a feel for how many pilots we may have and to try and work out a discount on the airplanes from one of the local hobby shops. If you have never had the opportunity to fly the Parkzone T-28 they are magnificent flyers and would be a great addition to any hanger! **J**

Safety At The Field

By Larry Couture



Well here we are just days before the auction and the winter so far has been not so bad. In fact it has been great except for the wind. We did get a few days of flying in and we have not needed or used skis (now there is something unusual FOR THIS TIME OF YEAR).

I hope to see everyone at the TCRC Auction on the 11th of February as we can sure use your help getting-er-done.

The following is some old stuff just for reminders:

One of the rules that seems very obvious when one reads it is that all airplanes must have the name and address of its owner on before flying. If it should fly away and is found or does damage to property it can be returned to owner or damages settled without large problems for the hobby.

Some rules are just plain common sense such as flight checking your model before flight so that all controls are working and in the proper direction. I would ask at this time to hold up your hand if this has at any time happened to you! You take off and up is down and right is left or any combination of improper control. I would see a lot of hands in the air and one would be mine. Now sometimes you're lucky and you land without total destruction of the plane and other times not so lucky, and to think that a pre-flight check takes only a minute or two at best.

Last but not least I will close with a PERSONAL CONDUCT VOW FOR ALL OF US:

I will always conduct myself in a responsible manner. Conscious that the maintenance of safety for others and myself rests with my ability to design and construct sound working models and to enthusiastically abide by the AMA and TCRC Safety Code. I will abide by the decisions and follow the instructions of any designated person in charge or control of the session or event.

Enough said for this time, keep 'em flying and land with the rubber side down.

SEE YOU IN ACTION AT THE AUCTION!

2012 AMA Dues Statements

Your AMA dues payments are due now. It is very important to get your payment in now to avoid any lapse of membership services.

AMA 2012 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.

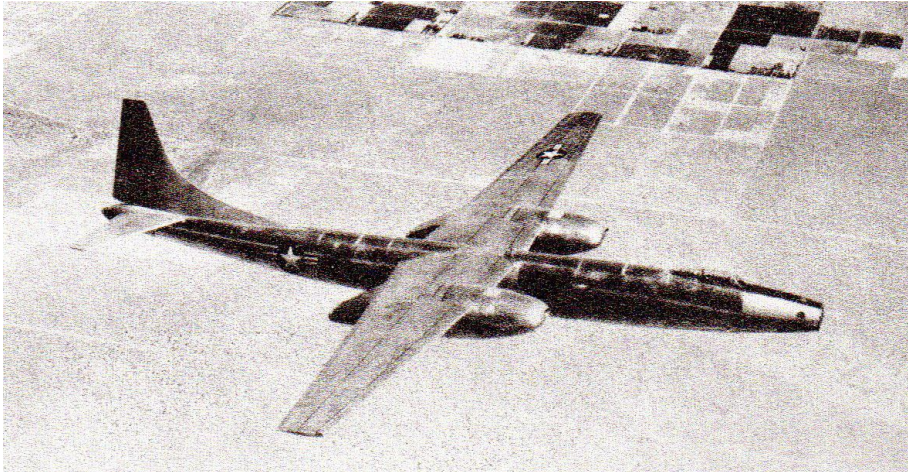
To renew your membership in AMA, the Academy gives you four methods: at the AMA website, www.modelaircraft.org; by fax at (765) 741-0057; by phone at (800) 435-9262; or by returning the renewal form you received in the mail in the supplied envelope.

Deadline for paying your 2012 AMA dues was December 15 to avoid a lapse in membership services. Get your dues payment in today. J

Convair XB-46

by Conrad Naegele

The January Mystery Plane was the Convair XB-46.



For a 1944 jet bomber competition, Convair offered their very graceful "Model 109" slated to be powered by the new J-35 engine, with 4,000 pounds of thrust. Convair offered two prototypes, but their funds were then divided between two separate projects, and the design on the 109 suffered. The single aircraft completed was first flown April 2, 1947. Its very slim exterior belied its 48,000 pound empty weight. The wings used the Davis airfoil, and an expected bomb load of 22,000 pounds.

During flight testing, the plane was turning about 545 mph. Unusually, the landing gear was pneumatically operated rather than hydraulic which was the most common.

Little or no armament was considered, due to its speed. The tail turret was radar operated. In spite of its very good speed (for the time), no orders resulted, due to concurrent development of the B-47. The story of the B-47 is well known. However, if accepted, and subjected to usual development programs, the B-46 would have been a capable aircraft. J

The strategic long range bomber was powered with four Westinghouse J-35 C-3 engines, each developing 4,000 pounds of thrust. It had a wingspan of 113 feet, a gross weight of 91,000 pounds and a range of 2,000 miles. Its total fuel load was 6,682 gallons. J

TCRCOnline.com

Your Link To Your RC World!

TCRC Dues Renewal

At the December 2nd TCRC Joint Board Meeting, after careful consideration, the TCRC board approved a modest dues increase for the purpose of funding future runway improvements:

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

Dues payments are due on January 1, 2012.

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
2422 Downing Avenue
Shakopee, MN 55379

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

Take the time to pay your 2012 TCRC dues today. 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.

Add Wisconsin Fun Fly To Your Calendar

The TCRC Annual Calendar that was published on the website TCRConline.com was missing the Wisconsin Fun Fly that is usually held on the first weekend in August.

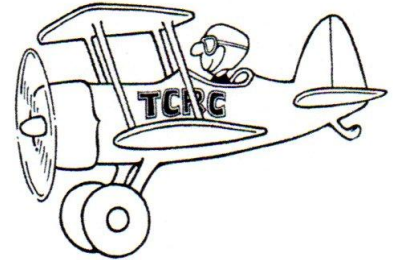
This year's Wisconsin Fun Fly, which is hosted by Bill Sachs and Jim Cook will start at Jim's lake place in Siren Wisconsin on Friday, August 10th, and will continue at Bill's flying site in Birchwood, Wisconsin on Saturday and Sunday, August 11th and 12th.

Please add this event to your calendars. It has been added to the TCRC Annual Calendar appearing in this newsletter. J



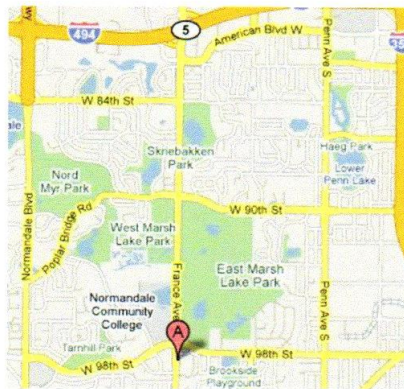
AMA CLUB #383

CROSS POINT CHURCH
9801 FRANCE AVENUE SOUTH
BLOOMINGTON, MINNESOTA



TCRC 36th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS – MINNEAPOLIS, MN
SATURDAY, FEBRUARY 11, 2012
WWW.TCRCONLINE.COM



Raffle & Concessions!

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

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:

- \$3.00 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?

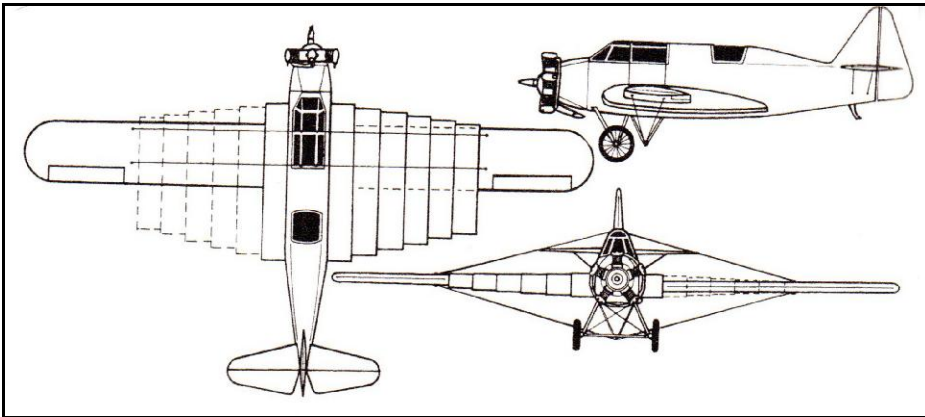
- E-mail: Auction@TCRConline.com
- Call Jim 952-445-5257 or Scott 952-934-1471
- **MORE Info at www.TCRConline.com**

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February Mystery Plane



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Stop In Today To Find Out 'The TCRC Special Of The Month'

Auction Seller Registration Online

by Pat Dziuk

Happy New Year TCRC Members!

The Twin City Radio Controllers 36th annual auction is just around the corner. This year it will be held at Cross Point Church, 9801 France Avenue South in Bloomington on Saturday **February 11th**.

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:

End Of Winter Fun Fly March 3rd At Jordan Field

Saturday, March 3rd is scheduled for the End of Winter Fun Fly to be held at the Jordan Field.

As it seems that winter has really not begun this year, it is hard to think we will have an end of winter event. But in the case we actually do get a winter, we will celebrate its end on March 3rd with a flying event.

The 10-10-10 rule will be in effect. That is, if at 10 AM, the temperature is 10 degrees F or higher and the wind is 10 mph or lower, then the event will be held.

Watch the website TCRCOnline.com for last minute information concerning the event. We look forward to seeing lots of TCRC members coming out to the Jordan field for a few end-of-winter flights. J

http://www.tcrconline.com/pages/auction_seller_registration.htm

General information at:

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

I hope to see you at the auction on Saturday February 11th, and please feel free to forward this on to your fellow modelers at other clubs. J

**Be A Buyer, A Seller
And A Worker At The
TCRC Auction**

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

F-35B Lightning II



The US military unveiled the F-35B Lightning II in August 2011. This aircraft is a STOVL (Short Take Off and Vertical Landing) aircraft that is slated to replace the aging fleet of AV 8B Harriers. The F-35 has a price tag of \$150 million per copy compared to \$24 million for each Harrier but pilots familiar with both planes say the F-35 is considerably more stable at slow speed. There are several videos on the web showing the F-35 in action.

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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