



January

Minneapolis, Minnesota U.S.A.

2011

## Jordan Field Really Ready For Winter Flying

by Pat Dziuk and Jim Cook



**The TCRC shelter sits in the middle of lots of snow at the Jordan flying field. (Photo by Pat Dziuk)**

Mother Nature has seen fit to provide the TCRC flying site with plenty of snow such that the entire club can enjoy winter flying without fear that they might find the hard ground. This winter season has already provided about 40 or so inches of snow to the Metro area, and it didn't officially start until December 21<sup>st</sup>!

As of Sunday, December 26th the road had not been plowed and had 3 to 4 inches of snow from the storm just before Christmas. No problem for a four wheel drive but could pose a problem for cars coming back up the hill.

Pat Dziuk blew the snow out the entrance to the shelter and out to the pit area.

Pat flew on that Sunday and the snow on the field was pretty fluffy and he needed full flaps to keep on top of the snow during take-off even after packing down a make shift runway with the back of a shovel. Landing was a bit trickier with his glow ultra stick. Skis would drop in after 10 feet after touching down. The lighter electric mini stick did better on landings.

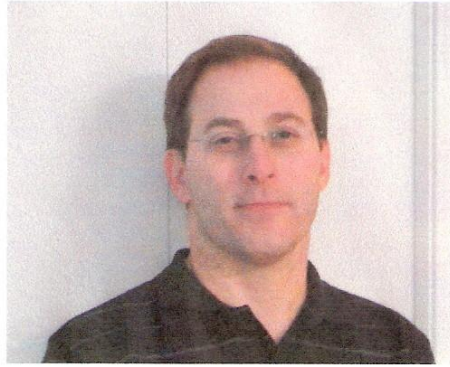
With the current weather forecast now at press time (it's raining a bunch!) the conditions at the field will obviously change considerably. This rain is supposed to continue into Friday before the temperature drops. This should put a nice crust on the snow, providing it's not too much rain and it washes away too much of the snow.

Plan on putting a pair of skis onto a plane or two and make a few trips to Jordan to enjoy winter flying. A note for those of you who have not winter flown before: Electric planes are a lot easier to get started than glow planes.

The club will keep the road plowed after the big snowfalls, so it should be pretty easy for members to get to the field and enjoy a Minnesota R/C winter. ☺

# From The Flight Deck

By President Tim Len



## January 2011

Another year passes and a new one begins as we get ready to kick off another year of flying.

By now most of you have settled in for the winter building season and some of you may have already started on an airplane project. This is a good time to go through all your airplanes in your fleet, repairing any damage from the past year of flying or maybe just adding new modifications.

I would also like to remind everyone to look at the long term storage requirements of the gas and glow engines that we run. Be sure to follow the manufacturer's guidelines so when it's time to fly again you will not have any problems.

If you decide to fly in these cold days, be safe and be sure to take all precautions in these cold temperatures. We have a great flying site and it is really beautiful in the winter. If you dress for the cold, you can have a great time enjoying the calm winter air and getting in some stick time. Remember, if you put in a flight every month of a calendar year, you can qualify for your All Season Flyer patch, which is a great accomplishment here in Minnesota.

The February auction is fast approaching so don't forget to get your items ready. Remember the club needs your help at the auction. It is always a busy day, but it also is a really exciting day. Come to CrossPoint Church on Saturday, February 12<sup>th</sup> and be a part of this great event!

Happy New Year to everyone! See you at the next meeting. J

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## Calendar

- |                |  |
|----------------|--|
| <b>Jan. 1</b>  | <b>All Season Flyer<br/>Kickoff, 10:00 AM<br/>Jordan Field</b>                                   |
| <b>Jan. 11</b> | <b>Membership<br/>Meeting, 7:00 PM<br/>Fellowship Hall<br/>CrossPoint Church<br/>Bloomington</b> |
| <b>Jan. 15</b> | <b>Shop Tour, 1:00 PM<br/>Wayne Rademacher</b>   |
| <b>Jan. 15</b> | <b>Deadline for TCRC<br/>Dues Discount</b>   |
| <b>Jan. 28</b> | <b>1<sup>st</sup> Qtr. Board Meeting<br/>Gerry Dunne's House<br/>7:00 PM</b>                     |
| <b>Feb. 5</b>  | <b>All Season Flyer<br/>10:00 AM, Pat Dziuk<br/>Jordan Field</b>                                 |
| <b>Feb. 12</b> | <b>TCRC Auction<br/>CrossPoint Church<br/>Bloomington</b>  |

## 2011 AMA Dues

A quick reminder: If you haven't gotten around to paying your 2011 AMA dues, you had better get it done pretty soon.

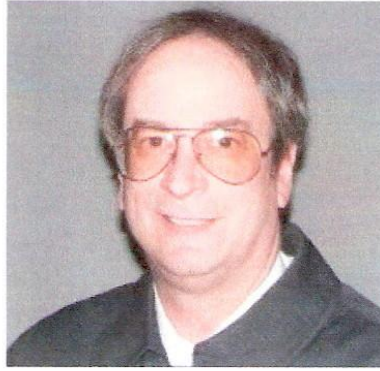
To be a member of TCRC you must be a member of AMA, and supply proof of that membership at the time of your TCRC renewal.

Your AMA dues can be paid online at [www.modelaircraft.org](http://www.modelaircraft.org) or by phone at (800) 435-9262.

Pay both your AMA dues and your TCRC dues today. J

# Veep's Corner

by Mark Wolf



Hello everyone! I hope you all had a very Merry Christmas and now are ready for a Happy New Year. A New Year – a new modeling challenge? A new modeling project? Trying something a little different? Well, why not?

I'm currently working on an old Byron (who?) 1/5-scale AT-6 Texan. Fiberglass fuselage, foam-core balsa-sheeted wings. Some materials that I haven't worked with before. The tail control surfaces (rudder and elevator) are balsa built-up and will be fabric covered and painted. I've done that before. For covering and finishing the fiberglass fuse, I'm going to try the Flite-metal process. The goal is to try and simulate a natural unpainted aluminum finish. Applying the Flite-metal tape to all the individual fuselage panels will take some time to accomplish. That will be a new challenge and also the retractable landing gear presents its own requirements. Air tank, operating valve, pneumatic lines, gear doors, etc. No matter which aircraft you select to model, they all seem to present any number of interesting features to try.

Programs: Who? What? Why? Where? When? How? Did I forget anything? We re-cycle some topics form year-to-year so if you were unable to attend one last year maybe you'll be able to catch this year's edition. In the spring we review our aircraft and radio systems and prepare for the summer flying season. We usually talk about floats and float flying somewhere in there too. Electric aircraft are very popular today and several of our club members are very experienced with this equipment. From off-the-shelf installations to custom designed battery/motor/speed controller set-ups, these are great reviews of how it all goes together. Kit building concerns from engines, accessories, covering and finishing demonstrations are as varied as the model makers themselves. Just a few topics to think about.

So whether it's a repair, a modification, working with new materials, or a new process, try tackling a new thing or two in 2011. Taking on a modeling challenge might just be your New Year's resolution.

Don't forget about the 2011 All Season Flyers kickoff in early January. Until next time . . . J

## TCRC Dues Renewal

The TCRC board of directors voted to keep the 2011 club dues at the same level as the 2010 dues.

They are:

- Regular \$75.00
- Junior \$37.50

Dues payments are due on January 1, 2011. Any member paying his/her dues prior to January 22<sup>nd</sup> will be given a discount of \$15 (to \$60.00) on an adult membership. After January 22<sup>nd</sup> the full \$75.00 will be required.

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:

2422 Downing Avenue  
Shakopee, MN 55379

Take the time to pay your 2010 TCRC dues today and secure your discount. J

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

# TCRC Calendar For 2011

DATE	EVENT	REMARKS
January 1	2011 All Season Flyer Kick-Off	10:00 AM Jordan Field
January 11	Membership Meeting	7:00 PM CrossPoint Church
January 15	Shop Tour – Wayne Rademacher	1:00 PM
January 28	1 <sup>st</sup> Quarter Board Meeting	7:00 PM, Gerry Dunne's
February 5	All Season Flyer	10:00 AM Jordan, Pat Dziuk
February 8	Membership Meeting	7:00 PM CrossPoint Church
February 12	TCRC Annual Auction	CrossPoint Church, 7:00-5:00
February 19	Shop Tour – Corey Kaderlik	1:00 PM
March 5	End of Winter Fun Fly	Jordan Field, Gerry Dunne
March 8	Membership Meeting	7:00 PM CrossPoint Church
March 12	Shop Tour – George Toon	1:00 PM
April 2	April Fool Flyer	Jordan Field
April 12	Membership Meeting	7:00 PM CrossPoint Church
April 17	Shop Tour -- ???	1:00 PM
April 29	2 <sup>nd</sup> Quarter Board Meeting	7:00 PM, Gerry Dunne's
May 7	Jordan Field Clean-Up and Fly-In	
May 10	Membership Meeting	7:00 PM CrossPoint Church
May 14	Spring Float Fly	Bush Lake, Steve Meyer
May 20-21	Kris Hanson Fun Fly & Camp Out	Mayer, MN
June 4	Building Contest & Fun Fly Rain Date – June Meeting	Jordan Field, Tim Wirtz
June 14	Membership Meeting	7:00 PM CrossPoint Church
June 18	TCRC Open House Fly-In	Jordan Field, Steve Meyer
June 24-26	Electric Fly-In & Camp Out	Jordan Field, Gerry Dunne
July 12	Membership Meeting	7:00 PM CrossPoint Church
July 16-17	AirExpo TCRC Display	Flying Cloud, Scott Anderson
July 23	Big Bird Fly-In	Jordan Field, Chris & Steve
July 29	3 <sup>rd</sup> Quarter Board Meeting	7:00 PM Gerry Dunne's
August 5-7	Wisconsin Fun Fly	Jim Cook & Bill Sachs
August 9	Membership Meeting	7:00 PM CrossPoint Church
August 13-14	Northern Alliances Fly-In	Owatonna
August 27	Model Aviation Day	Jordan Field, Scott Anderson
September 13	Membership Meeting	7:00 PM CrossPoint Church
September 17	Fall Float Fly	Bush Lake, Steve Meyer
October 8	Season Finale	Jordan Field, Corey Kaderlik
October 11	Membership Meeting	7:00 PM CrossPoint Church
November 8	Membership Meeting, Elections	7:00 PM CrossPoint Church
November 12	TCRC Banquet	5:00 PM, Location TBD
December 2	Joint Board Meeting	7:00 PM
December 3	All Season Flyer 2011 Finale	Jordan Field, Pat Dziuk
December 13	Membership Meeting	7:00 PM CrossPoint Church

\*Pylon Racing and Combat dates to be added

## Meeting Program/ Show & Tell Format Changed

by Mark Wolf

At the last meeting we discussed some possible program topics and ideas and talked about Show & Tell/Program issues.

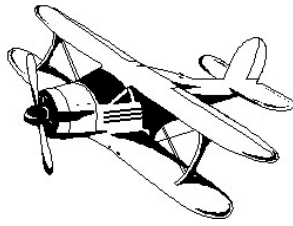
As you know sometimes the Show & Tell runs a little long and we're pressed for time to get it all in. This year, for now, we'll try to alternate each month with a program one month (no S&T) then Show & Tell becoming the 'program' for the next month. This method should give us a little more time for each. Of course we can change it again anytime pending on the response from those in attendance.

This could cause a problem with the data collection for the newsletter since there could be more Show & Tell aircraft than usual. To help make this easy for the editor, I would propose we have a simple form that the member gives to the editor that has the basic specifications and information on the plane he is presenting. *(Editor's Note: Great idea, Mark!!)*

We can figure out what the form should look like (I gave the editor a sample of a possible form) and even have a downloadable copy of it on the website. J

**The Programs Will  
Be Great In 2011!!!**

## Show & Tell



by Steve Meyer

Lots of neat aircraft showed up at the December meeting.



Chris O'Connor had his current project – a Mark Frankel T-34 kit – at the meeting to show its progress. This giant-scale warbird had a 100-inch wingspan, a fiberglass fuselage, Robart retracts, and will be powered with a Zenoah GT 80 twin engine.



Mike Burk had a Multiplex Twin Star that he has converted to his latest FPV platform. The plane was fitted with an Eagle Tree GPS and telemetry system. Mike said that he was having considerable problems with RF noise affecting the receiver.



Joe Neidermayr had a neat looking Skyangle T-33 by Fan Jet USA. It was done in USAF military gray and had a 30-inch wingspan.

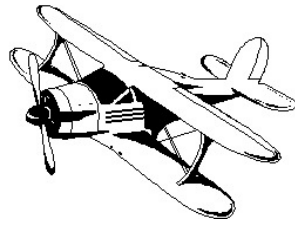


Gerry Dunne had a couple of planes. The first was an electric Katana F3A by Hyperion. The good looking plane had a 67-inch wingspan and weighed 8 pounds 2 ounces. It was powered with a SK 5065-380 kv motor with an 8-cell 1,850 watt battery.



Continued On Page 6, Column 1

# Show & Tell



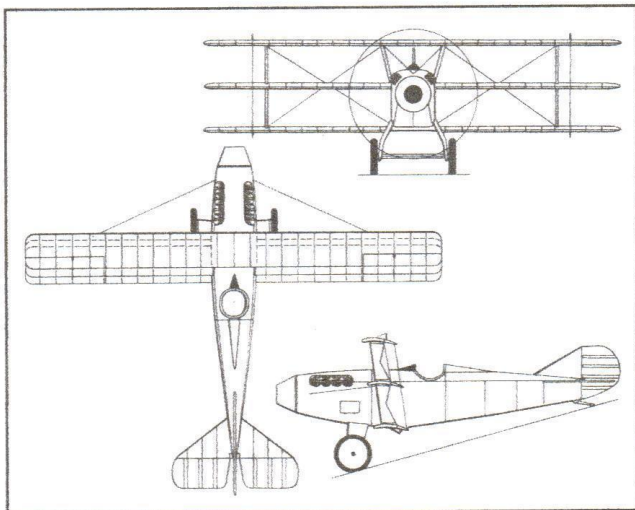
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Gerry Dunne also had a Park Jet ARF by Hobby King. (Picture on Page 5). This delta-wing aircraft had a 22-inch wingspan and weighed 6 ounces.



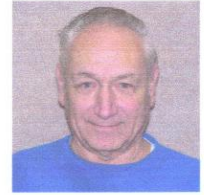
John Rosenburg had a Hobby Zone Super Cub Foam ARF Bind and Fly. It had a 48-inch wingspan and weighed in at 26 ounces. It was fitted with Dubro skis and was purchased with the plan that John and his son would do a lot of winter flying at the Jordan field this winter. J

## January Mystery Plane



## Safety At The Field

By Larry Couture



Well here it is at year's end for 2010 -- the flying season is over but not forgotten. I have not been to the field of late but I hope everyone out there is following all the rules and having a great time.

The safety item for this month is to make sure you have your name and address on the plane or your AMA number so that it can be identified as yours if found. This is rule number 6 in the AMA list. They say this is not required for models flown indoors but I think it is still a good idea to put it on all planes.

I have a couple of planes on skis and I hope to get to the field before we go south. If you have not flown off of the snow you have missed some unique fun in flying, so I hope to see you there and be sure to dress warm.

By the way, safety is not a thing that happens by itself and therefore must be practiced by everyone at all times. With this in mind have great New Year and fly a lot.

As usual all landings from which you can fly again are great but not always graceful so keep the rubber side down. J

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# January Program Preview

## Cockpits – A Model Within A Model

by Mark Wolf

From lying on the lower wing of the Wright Flyer to returning to earth from the moon in the Apollo command module (basically the entire cockpit section of the Saturn V moon rocket) and everything in between; manned aerospace vehicles all share one thing in common. A place to manipulate the flight controls, operate the engine(s) as applicable and manage other various aircraft systems, etc. – the cockpit.

Obviously not required to operate or control our model aircraft, and not readily viewable on a lot of models, the presence of a cockpit from a basic cabin on a civilian aircraft to a detailed military fighter, provides a place for our pilots to do their job. When modeled with some detail and maybe accompanied with a pilot figure, the cockpit is definitely one feature that will draw some attention to your model. Here's the January 11<sup>th</sup> program highlights:

- Model Types: Small  
Medium (.40-.60 size)  
Giant Scale
- Materials
- Tools and Equipment
- Examples of Various Components

We'll review several examples of complete cockpits from some of our club members. We'll take a look at what's available and also look at some cockpits in progress – under construction.

So, if your schedule permits, join us at the January 11<sup>th</sup> club meeting when we take a closer look at the 'front office' – the cockpit.

See ya at the meeting.

J

## TCRC's 35<sup>th</sup> Annual Auction

**Be A Worker**  
**Be A Seller**  
**Be A Buyer**

**Don't Miss It!**

## All Season Flyers Start In January

With the arrival of 2011 comes your opportunity to become an AMA All Season Flyer for the year.

To be an AMA All Season Flyer you must put an R/C airplane into the air outside in Minnesota at least once each month of a calendar year. The 'calendar year' are the operative words – which means you must start your year in January, not just go 12 consecutive months. TCRC has a huge tradition in qualifying all season flyers and there are several club members who have been doing this for over 15 straight years!

If you happen to look at your calendar, you will notice that it is now January. So get some skis on an airplane (it's easier with an electric) and get out to the Jordan field.

The club helps to qualify ASF pilots by scheduling one day per month in the winter for the flyers to get together. January 1<sup>st</sup> is scheduled as is February 5<sup>th</sup>. Now don't think that just because you missed January 1<sup>st</sup>, you can't qualify. There are still 30 other days in January to get the job done!

So, what are you waiting for? This is your year to become an AMA All Season Flyer. Get some skis on a plane and get ready for some great winter flying!

J

**In Minnesota, it is better to enjoy the snow than to just curse it!**

## Chetverikov ARK-3

By Conrad Naegele

The December Mystery Plane was the Russian Chetverikov ARK-3



During the early 30's Russian aero bureaus began to consider aircraft specifically designed for use under Arctic conditions. Almost no airfields had been built in the vast Arctic regions, so what was requested was a multi-purpose flying boat for both military and civilian use.

I. V. Chetverikov presented plans for a medium range boat of mixed construction, featuring two air-cooled radial engines, mounted on a hull-supported pylon, puller and pusher configuration. This, of course, provided the ability to cruise on either engine with no change in asymmetric thrust. The hull was all-metal, wings were wood with two metal spars. Tail assembly was all-wood, and all surfaces were fabric-covered. The military version had two machine guns, in bow and dorsal turrets. The plane could also carry two 1,100 pound bombs, mines or depth charges.

First flight was in 1935. In 1937, the ARC-3 established several world records for weight to altitude (1,000 kg to 30,520 feet). The plane was used well into WWII. It is estimated that about 100 were built.

The ARC-3 was a 5-seat recon bomber and transport flying boat with a gross weight of 11,500 pounds, a wingspan of 65 feet, a speed of 199 mph and a range of 932 miles.

## TCRC Auction February 12th

by Pat Dziuk

The Twin City Radio Controllers 35th 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 12th.

If you are going to be a seller at the auction, 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](mailto: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](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 also at <http://www.tcrconline.com>

This is the club's biggest manpower (and woman power) project and we need every members' help to make it a success. We hope to see all of you at the auction, as workers, as sellers and as buyers. Don't miss it. J

## Shop Tour Schedule

January 15  
February 19  
March 12  
TBA

Wayne Rademacher  
Corey Kaderlik  
George Toon  
Kris Hanson Tour & Campout



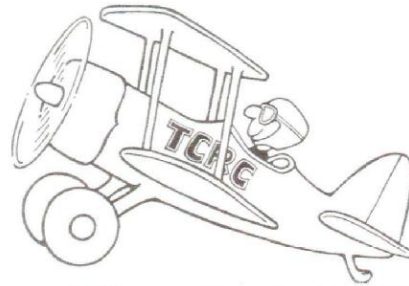
# Newsletter Now Paperless

The December 2010 issue of the *Flare Out*, newsletter of TCRC, was the last issue to be printed and mailed.

Starting with this issue of the newsletter, all members and friends of the club will receive an email notification that the newsletter is available for downloading and viewing from the TCRC website TCRCOnline.com.

Mike Timmerman and Pat Dziuk, the publishers of the *Flare Out*, will bring a handful of printed copies of the newsletter to the membership meetings for those club members who don't have access to the internet.

If you have not supplied Pat with an email address and would like to have a monthly reminder when the newsletter has been posted, please send you email address to Pat at [pdziuk@gmail.com](mailto:pdziuk@gmail.com). J



## TCRC'S 35<sup>TH</sup> ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS - MINNEAPOLIS AMA CLUB 3383

**SATURDAY - FEBRUARY 12, 2011**



**What's for Sale?**

- R/C Airplanes
- R/C Airplane Kits
- R/C Airplane Engines
- R/C Airplane Radio Systems
- R/C Aircraft Related Accessories and R/C Aircraft Support Equipment
- No Cars, No Boats, No unrelated Stuff

**Where:**

Cross Point Church  
9801 France Avenue  
Bloomington, Minnesota

**When:**

REGISTRATION Begins at 8:00 AM  
AUCTION Begins at 9:30 AM

**Details:**

- \$3.00 Admission: *Includes Bidders Card*
- \$ 20.00 MINIMUM OPENING BID (to speed the auction! 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 AT 10% UP TO A MAXIMUM FEE OF \$20

**Raffle & Concessions!**

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

**Questions?**

Call Jim 952-445-5257 or Scott 952-934-1471  
Email [auktion@tcrconline.com](mailto:auktion@tcrconline.com)  
More info at [www.tcrconline.com](http://www.tcrconline.com)

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## New Impound Area At Jordan



Field Manager Corey Kaderlik completed work on the new impound box for the Jordan Field and it was installed during the November 9<sup>th</sup> field clean-up day. Corey built the structure to replace the old rusty metal one that been in place for so many years. Thanks, Corey! 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.

#### 2011 Officers

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