



August

Minneapolis, Minnesota U.S.A.

2005

TCRC Showcases R/C At The Wings Of The North Air Show

by Jim Cook

The Wings Of The North Air Show was held at Flying Cloud Airport on Saturday and Sunday, July 23rd and 24th.



The TCRC booth at the Wings Of The North Air Show attracted a lot of interest. (Photo by Scott Anderson)

Scott Anderson was the chairman for the event and organized the TCRC booth and the manpower for that booth. TCRC shared the area with the CRRC club and both areas had lots of people stopping by to talk about R/C and look at the many planes on display.

The booth had to be manned from 8:30 AM to 6:00 PM on each of the two days. Those putting in time manning the booth were: Gerry Dunne, Scott Johnson, Larry Couture, Scott Anderson, Pat Dziuk, Rick Smith,

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Park Rapids Fun Fly This Week

Lots of TCRC'ers and their spouses are climbing into their cars and vans and heading for Park Rapids on Friday, August 5th.

CD for the event Marilyn Krekelberg informs us that this will be the 24th Annual Park Rapids Fun Fly. The Headwaters R/C Club allows the trekkers to use their very beautiful field for the event each year and several of their members show up to join in the flying.

The event starts at 5:00 PM on Friday in the meeting room of the C'Mon Inn. Drinks, snacks and friendship are on the menu for the evening.

Breakfast at the West Forty on Saturday morning and then the guys head for the field and the gals head for the shopping area.

After a full day of flying, everyone reconvenes at the C'Mon Inn for a great meal and a relaxing evening.

Sunday morning is breakfast at the West Forty before everyone says their goodbyes and heads for home. Lots of pictures will be in the next newsletter. ☺

From the Left Seat

by Jay Bickford

Promoting TCRC

Just this past week I was in a local hobby shop picking up a few items when I struck up a conversation with a couple of fellow RC flyers. They were picking up supplies to build a couple of high performance electric flying wings. Of course we started talking RC, and especially electrics. During the conversation I asked them where they fly, and if they were members of any of the local clubs? They mentioned a local park where they fly their park flyers, and said they were not currently club members. I proceeded to tell them a bit about TCRC, and invited them to come out to the field and attend a meeting. They asked what it cost to join and a few other details about club membership, but when I told them the price they looked a bit perplexed. And here lies one of the major roadblocks to attracting new flyers to established RC clubs. Now, I am not suggesting that we lower our annual dues or membership fees, as we count on these funds for a major part of our operating revenue during the year, but membership cost is a hurdle that is keeping many new RC flyers out of clubs. One of the major problems I see is that these new flyers don't see the value in club membership, but I think we have a lot to offer the new flyer.

One of the major benefits of TCRC membership is our monthly

club meetings, where RC enthusiasts have the opportunity to meet with like-minded people to exchange ideas and show off their latest creations. There is a wealth of experience and knowledge here that we can offer a new flyer, and a club meeting is one of the best places to get plugged into it. Second, there are new people to meet and friendships to be forged, and some of these may well last a lifetime. And third, there is our wonderful flying site. Now you may wonder why I listed it last. Well, even though many of us may feel it is the number one reason to be a member of TCRC, to the electric park flyer enthusiast, it just may not be that big of an attraction. Remember, he can fly his planes just about anywhere.

I would like to ask for your help in promoting membership in TCRC. As part of this project, TCRC will make new color club promotional flyers and distribute them to the local hobby shops. We will also make available club "business cards" for members to hand out to new flyers. The business cards will include our internet website address and a small map to our field on the back. If we make a real effort to be the friendliest RC club in town and reach out to new RC flyers, I know we can bring some of them into the club. Now, get out there and talk up TCRC!

TCRC Flying Site Improvement Vote

At the monthly TCRC club meeting on Tuesday, August 9, 2005, the TCRC board will present a proposal to the club membership to professionally seal coat and re-strip the runways, taxiways, and

pits. The board has reviewed bids from several contractors, and will present one for a vote of approval to the membership since this was not a budgeted item for this year. The cost for this TCRC Flying Field improvement project is approximately \$2,600. As way of background, the runways were originally paved in 1988 when the field was moved to its current site, and they have not been seal coated since that time. Seal coating is needed to preserve and maintain the runways in good condition.

Until next month . . .



Calendar

- | | |
|-------------------|-------------------------------------------------------------------------------------------------------|
| Aug. 5-7 | Park Rapids Fun Fly Park Rapids, MN Jim Ronhovde |
| Aug. 9 | TCRC Membership Meeting, 7:00 PM Fellowship Hall CrossPoint Church Bloomington |
| Aug. 12-14 | Northern Alliance Military Fly-In Owatonna, MN Jeff Quesenberry 952-432-2541 |
| Aug. 13 | Model Aviation Day TCRC Jordan Field Scott Anderson 952-934-1471 |
| Sept. 10 | Fall Float Fly Bush Lake Park 11:00 AM Jim Cook 952-445-5257 |
| Oct. 15 | Season Finale Jordan Field |

Wings Of The North Air Show

Continued From Page 1

Chris O'Connor, David Klemenhagan, Gary Marschall, Nathan O'Connor, Mike Timmerman and Brian McCutcheon.

The weather for the air show was nice with warm temperatures and partly cloudy skies. The full-size warbirds were constantly in the sky and the wonderful rumble of radial engines resonated through the air.

Both clubs had lots of scale and pattern ships for all to see, and they were a great attraction for the kids.

Near the end of each day, the booth was a little short of help but two of our younger members – Nathan O'Connor and David Klemenhagan -- stepped in to help Scott out.

The TCRC display was a nice success. Thanks to all who donated their planes for display, to man the booth, and a very special thank you to Scott Anderson for CD'ing the entire event. ☺

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.

R/C Airplanes Were A Big Hit With The Kids At The Air Show



Lots of spectators, young and old alike, stopped to view the club members' R/C aircraft. (Photo by Scott Anderson)

Full-size & Scale Side-By-Side At The Air Show



A father and son look at a very nice scale Corsair F4U in a hangar with some of its big brothers. (Photo by Scott Anderson)

Virtual Hangar At TCRCOnline.com

by Pat Dziuk

The TCRCOnline.com website has an exciting new feature. It is a Virtual Hangar where TCRC members can upload pictures of their airplanes complete with titles and descriptions. It is a place to show off your old or new projects to your fellow TCRC members and the internet community at large.

The Virtual Hangar can be found by logging on to www.TCRCOnline.com and clicking on the TCRC Virtual Hangar link using the navigation buttons on the left hand side of the page. The user interface is pretty intuitive. Just click on the picture to the left of each album description to view the pictures in the album. Click on the thumbnails within each album to view larger-sized pictures.

You will need to contact Pat Dziuk our webmaster, to obtain a username and password in order for you to create and maintain your photo album. No username or password is required to view. If you are interested in showing off your planes, please send an email to webmaster@tcrconline.com and include your full name and your desired username. Once your membership is verified you will receive a confirmation email with an initial password within 24 hours.

A discussion forum has been setup dedicated to helping you get started posting and maintaining your hangar. Check it out by

clicking on the 'Forum' link using the navigation buttons on the left hand side of the home page. You will then need to select the "TCRC Virtual Hangar Help" forum.

So come on and enjoy the fun uploading your pictures and viewing your fellow members' hangars. ☺

TCRC Land Swap Vote

The board of directors has been investigating the possibility of doing a Land Swap at the Jordon Field with our neighbor Roger Preston for the last half a year. We are in a position to move ahead with this swap but would like to get membership approval through the form of a formal vote. Please contact Pat Dziuk, the TCRC Secretary, to obtain a ballot before August 15th.

The land swap would involve approximately 14.91 acres. TCRC would acquire 14.91 acres immediately to the east of our runways. This land is currently being overrun with the willow and small cottonwood trees posing a serious future access problem to the airspace for setting up an east to west landing/takeoff approach. As part of the swap Roger Preston would acquire 14.91 acres along the north section of our property. Basically it would be the land that is north of the creek that runs east to west through our main flying field.

Information has been published in the February and July newsletter during the last half a year.

Questions/Answers:

Q. Why should TCRC do this swap?

A. It will give us back control of the trees that will soon affect our

landing/takeoff approach to the east. It will also essentially center our runways over our land making for a more effective field.

Q. Will we retain flyover rights to the swapped land?

A. Language will be included in the deed that retains this right.

Q. Will we have some control over drainage of the swapped land?

A. Yes, Roger Preston has agreed to allow us to put in a culvert as well as a swage ditch to aid in water drainage to minimize the effect on flooding. This will also be in the deed language.

Q. Who owns the road?

A. Roger Preston owns the road as determined by a review of the deeds. We retain an easement right to access our land.

Q. What about the tractor sheds?

A. Roger Preston has agreed to transfer the land our sheds sit on through a 'Quick Claim Deed' process in the event of his death or sale of the land. Until that time we have permission to continue to use the easement for our sheds.

Q. What is next in the process?

A. The land swap needs to be approved by the county prior to submitting the paper work to complete the deal. Currently the county is in the process of review it and we should know the outcome within 4 to 8 weeks. After that time assuming membership approval we will file the final paper work to complete the deal.

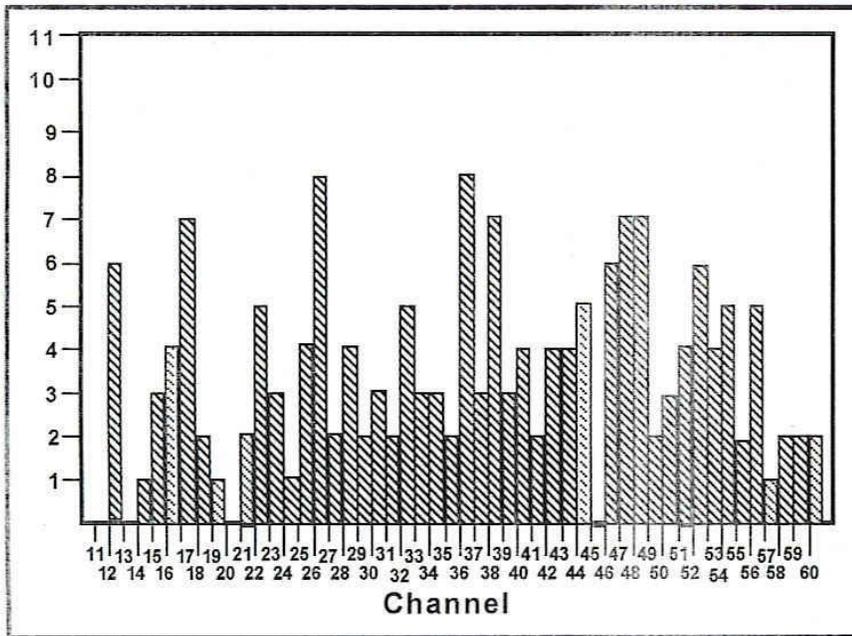
Q. What if I have other questions or concerns?

A. Please contact a TCRC board member either by phone or e-mail at board@tcrconline.com ☺

2005 TCRC Frequency Distributions

by Jim Cook

The TCRC Roster which is kept up-to-date on the club's website, TCRCOnline.com, has lots of information about the members. One of the more important pieces of data in the roster is the listing of the frequencies that each member uses. The following chart is a summary of the number and frequency of the transmitters owned by members of the club.



Currently the online roster lists 77 regular members, 10 junior members and 2 social members for 89 total members. The roster lists that those 89 members own 176 transmitters for an average of just about 2 transmitters per member. Many of the members do not have any transmitters listed in the roster however, so there are probably many more in the club.

With the exception of channel 20, which is banned by TCRC and most other Twin Cities' clubs because of its second order intermodulation with TV channel 4, the club allows all 50 of the 72 MHz channels designated for model aircraft use. All transmitters must meet the AMA 'gold' specification as first delineated by the AMA in 1991.

In addition to the conventional 72 MHz channels, two members also own three transmitters on channels 01, 02 and 04.

Of the total members, 75 use transmitters set up for Mode 2 flying. (Rudder and throttle on the left stick and aileron and elevator on the right stick.) 12 pilots utilize Mode 1 transmitters. (Elevator and rudder on the left stick and aileron and throttle on the right stick.) One pilot can fly both modes.

Other interesting data from the current 2005 TCRC Online Roster includes the fact that the 89 members have a combined total of 952 years of membership in the club for an average of 10.7 years per member. Also 66 of the 89 members have e-mail addresses (74%).

The next time you are planning to purchase a conventional* transmitter, consult the data in the chart to the left, look in the TCRC Online Roster to see what frequencies those people have who normally fly at the same times that you do, and then purchase a transmitter on a frequency that will not cause you a conflict.

I say conventional because you might purchase a tracker-type transmitter/scanner that can be set to any frequency within the 72 MHz range. At least one club member owns a tracker-type transmitter. ☺

TCRCOnline.com

A Great Website!

Are You Using It?

From The Co-Pilot's Seat

by Gerry Dunne

Hi TCRC'ers!

How is your flying going this month? I hope you are getting out and getting your share of air time while we have been having this great weather.



The TCRC booth at the Wings Of The North Air Show.
(Photo by Scott Anderson)

This past weekend we had several of our members manning the TCRC booth at the Wings of the North Air Show held at Flying Cloud Airport. To my knowledge, these are the members who manned the booth: Chris O'Connor, Nathan O'Connor, Scott Anderson, Pat Dziuk, Brian McCutcheon, Gary Marschall, David Klemenhagan, Scott Johnson, Mike Timmerman, Rick Smith, Larry Couture and myself. Hopefully I didn't miss any. There were lots of people at the air show, and some really neat and rare planes. Our display of models got lots of attention. Thanks to all of the members who worked, or came out to see the show. Special thanks to Scott Anderson for putting the booth plans together.

Our August program is going to be a great one that you shouldn't miss. TCRC will have Joe Grice at the meeting on August 9th and he will be doing a program on turbine jets. Joe is a three-time winner of Top Gun and has been 'Best Of Show' at Toledo. He is obviously an expert in many areas of our hobby, but is very well recognized for his turbine-powered aircraft. A big thanks to Dave Andersen for contacting

Joe and putting this program together. Plan on being at CrossPoint Church for TCRC's regular meeting.

We will also be having a monthly presentation on pattern maneuvers at each meeting. Long-time member Chris O'Connor has volunteered to demonstrate a specific pattern maneuver at each meeting and to explain how that maneuver is performed. I am looking forward to his first presentation.

Well that is all for now, so fly safe, fly fast and try and land on the wheels. ☺

Model Aviation Day Scheduled For August 13th

TCRC has scheduled its annual Model Aviation Day for Saturday, August 13th at the Jordan Field.

This event has been held for the last several years by TCRC to introduce both adults and youngsters to the hobby of RC airplanes.

At press time, the editor does not have any further information concerning the 2005 edition of Model Aviation Day. We will need members on hand to help explain our hobby and several planes for display and to demonstrate RC flying. Please go to the club's website, TCRCOnline.com for the latest information concerning the event and how you can help. ☺

**Don't Miss The Next
TCRC Meeting!**

Northern Alliance Military Fly-In

(Sponsored by the Southern Minnesota Model Aircraft Club)

Date: August 12-14

Time: 9:00 AM – 5:00 PM Daily

Location: S.M.M.A.C. Field in Owatonna, Minnesota
(1 hour south of Minneapolis, 1.5 hours north of Des Moines)
GPS Coordinates: N44deg 01'21.6" W093deg 20'40.0"

Field Description: For details about the fly-in site, go to:
www.smmac.com

AMA Sanctioned Event

Awards: Numerous awards will be given out to participants

Entry Fee: \$10.00 if registered prior to August 1, \$15.00 after.

This is an any-size warbird Fly-In. Any era actual warbird welcome, but no modified Extras, etc. Flying site has a 650-foot simulated asphalt runway and a 1,250-foot grass strip

On site concessions, camping (no hook-ups), playground on site for kids, portable restrooms. BBQ supper on Saturday, August 13th night

Although this will be an inaugural event, we plan on making it the biggest and best Fly-In in the upper Midwest

Please come and enjoy our hospitality and make this a great event.

Contact: Jeff Quesenberry -- 952-432-2541 – jkag@frontiernet.net
Phil Schwartz – pschwartz@hickorytech.net
Tim Johnson – 507-390-5030 – johnsons@myclearwave.net

Fall Float Fly September 10th

It's hard to think about fall when the temperature is 94 outside and the sun has been shining brightly for the last several weeks, but September is only one month away. As much as we would love summer to continue, all good things must come to an end. So let's look forward to one of the most enjoyable events that TCRC hosts – the Fall Float Fly.

The Fall Float Fly is scheduled for Saturday, September 10th at Bush Lake Park. Start time is 11:00 AM.

TCRC hosts two float fly events – in spring and in fall. This past spring, the weather was very bad and the event had to be cancelled. That makes the Fall Float Fly even more important. CD Jim Cook is predicting great weather for the September event, and of course there will be lots of very beautiful airplanes.

Mark your calendars for September 10th for TCRC's Fall Float Fly. It will be here before you know it. ☺

Hobby Warehouse

7120 Chicago Ave. S. Richfield MN 55423

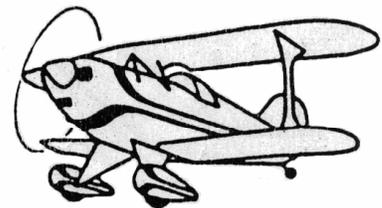
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TCRC Jordan Flying Site Looking Great

Despite the Minnesota River crawling over the TCRC main flying site three different times this year, the Jordan Field couldn't look better.



A view from the north looking south at the runways and shelter.
(Photo by Jim Cook)



The pits, shelter and new airplane maintenance benches are in good shape and waiting to be used. (Photo by Jim Cook)

Even with the very hot 90+ degree days we had in July and have started August with, the field is still green and nice looking. The mowing crew has kept the field well manicured and in great shape for flying.

The pits are dry and the two new airplane maintenance benches are just waiting for your airplanes to try them out.

The shelter is in good shape, and the seasonal residents in the rafters (see page 10) seem to enjoy the pilots' company.

With such a beautiful flying site, isn't it about time you stopped out to Jordan for a few flights? ☺

New Members

Dan Olberg joined TCRC in May. Dan lives with his wife Jacquilynn at 8249 Portland Avenue South in Bloomington, 55420. Their phone number is 952-884-4125 and his e-mail address is dfomag@usfamily.net. Dan has some R/C experience and has been seen flying at the Jordan field.

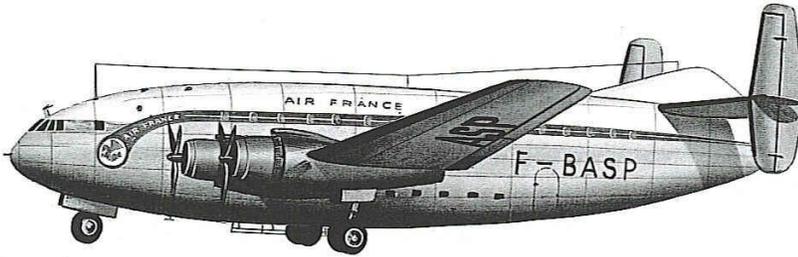
Dan Cinnamon TCRC in July. He lives at 5249 Overlook Drive in Bloomington, 55437. His phone number is 612-207-2926. Dan has been flying mode 2 for three years and currently has a Razor 3-D, a Zagi 400X and a Unicorn Flying Wing.

When you see either of the two new Dan's at a meeting or the field before and introduce yourself and welcome him to TCRC. ☺

Breguet 763 'Provenence'

by Conrad Naegele

The July Mystery Plane was the French Breguet 763 Provenence.

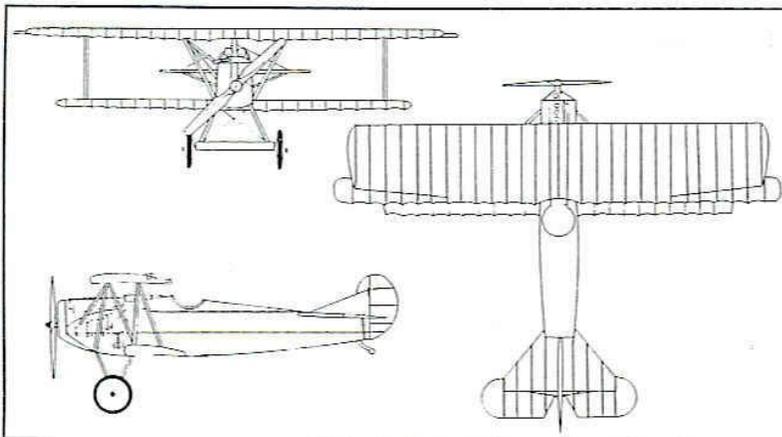


Louis Breguet, an exceptional aircraft designer, had a considerable input in the early days of aviation. His first successful biplane, the Model III, first flew in 1914. He pioneered steel tube construction and early use of aluminum sheeting. Although he was not a prolific producer, he did have several notable examples.

One of his later designs was the 'Provenence'. It was a well-received post-war commercial passenger plane. It was nicknamed the 'Deux Ponts' or two decks. The airplane had an exceptionally deep fuselage. (A contemporary, well-known similarly configured airplane was the Boeing Stratocruiser, the military C-97.) First flown in 1949, it was a popular 4-engine short-haul plane – in service in Europe and North Africa. Providing great accommodations for 107 passengers, it was also very adaptable to cargo. Not built in great quantities, it did continue in extensive service in both categories until 1971.

The Breguet 763 was powered by four Pratt and Whitney R2800 18-cylinder air-cooled radial engines that developed 2,100 horsepower. It had a wingspan of 141 feet and a gross weight of 113,758 pounds. It had a cruising speed of 209 mph and a range of 1,423 miles. ☺

August Mystery Plane



Tail Weight

During the process of building your next masterpiece, it may become apparent that tail weight is required. Lead weight for fishing lines is available at most sporting goods store in the form of round (about 1/8-inch diameter) strips, several inches long. This strip lead is easy to cut up and embed in the model during construction. For example, strips of lead inserted under the triangle stock can be used to reinforce the fin or stabilizer on most model designs. It also can be inserted into wing tips to provide lateral balance.

(Reprinted from *The Hawk Talks*, newsletter of the Concord Skyhawks, Bow, New Hampshire, Rob Lawrence, Editor.) ☺

Weight Lifter

by Bruce Burns

An excellent way to add ballast to the front of your model is to straighten the tab on your old tire weights, then bolt them to the underside of your engine mount. This puts the weight well forward, where it's needed and where it can be clipped away with shears to adjust the balance point of the model. Do not bolt ballast to the cowls. More often than not, the little cowl mounting screws will be torn out by the vibration. Your friendly tire man will probably give you some old weights.

(Reprinted from *Prop Spinner Chatter*, newsletter of the Eugene Prop Spinners, Eugene, Oregon, Mel Marcum, Editor.) ☺

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

Jordan Shelter Residents



The next time you are at the Jordan Field and working on your plane in the shelter, look up and you might see a few of the seasonal residents of the shelter. This particular nest actually has four birds in it and they are usually very interested in what you are doing. ☺

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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