



February

Minneapolis, Minnesota U.S.A.

2007

Beautiful Day Kicks Of 2007 All Season Flyers

by Jim Cook

Saturday, January 6th was the day designated for the Kickoff for the TCRC All Season Flyers, and the choice couldn't have been better. When the chair for the event, Jim Cook arrived around 10:30 AM, he found the sky was bright blue with just a few wisps of clouds, the wind was about 5 mph out of the southwest, and the temperature was in the 40's. He also found Gerry Dunne soaring through the air with one of the four electric planes he brought for the occasion.



The many pilots and spectators that came to the ASF Kickoff took a break from flying for a quick picture. (Photo by Jim Cook)

The field and runways had about 5 inches of a crusty snow which was perfect for planes with skis. The crust was hard enough that electrics

with wheels could also take off and land on the snow, providing the landing was not too hard.

By the start time of 11:00 AM, there were pilots everywhere, and although the electric planes were the most numerous, there were plenty of glow-powered planes also.

To be an AMA All Season Flyer, a pilot must put at least one flight in outdoors every month of a calendar year. TCRC has several pilots that have qualified for their ASF patches for 10 or more years, but there were several club members present on this day who were just embarking on their first ever patch. To earn an ASF patch in Minnesota is quite an accomplishment.

Pat Dziuk brought along two of his brothers and his father that had just arrived to help him celebrate his 40th birthday. Pat was piloting a glow Ultra Stick, and he put on a nice show for his siblings.

As the day wore on, the wind picked up slightly, but airplanes continued to fill the air.

If you are interested in getting your AMA ASF patch this year, you still have the rest of January to get your flight in.

Thanks to all of the pilots and spectators that came out for a great day of flying. ©

The President's Hangar

by Bill Jennings

The cold, snowy winter weather has finally arrived in Minnesota. I was beginning to worry that the previous mild weather could cause hordes of people from other areas to consider moving to our state. We can finally begin to focus our attention away from chores such as mowing the lawn and on to really fun activities like building model airplanes!

Speaking of which... the Kit Building Workshop is off to a fine start this year with quite a few more participants than last year. We've also managed to attract a few individuals from other clubs. I'm especially pleased to see a few TCRC junior members attending this year! No matter what your previous building experience may be, the workshop provides an opportunity to learn some new techniques that you can utilize in building your next plane. The presenters are sharing their many years of experience so that newcomers to building can be successful during their first attempt. A side benefit of the workshop is learning that most crash damage is easily repairable! This can be an important discovery for those who are buying ARF's these days. Most of the time I can examine my plane after a crash and say, "Easy fix!" With a roll of clear package sealing tape and a bottle of CA, many repairs can be made right at the field. The information I gained from attending the workshop sessions last year taught me how...



Gerry Dunne, John Dietz, Mike Bellefeuille and Dave Schwantz at the 1st Kit Building Workshop of the season. (Photo by Bill Jennings)

I'd like to mention another great opportunity for TCRC members to learn more about the hobby. During the winter months, the Scale Flyers of Minnesota meet at 7:00 p.m. on the fourth Friday of each month at the American Legion Post, located at 6501 Portland Avenue So. in Richfield. The meetings, which generally last for about 90 minutes, attract a crowd of from 50 to 70 individuals from all of the R/C clubs in the Twin Cities area. Five or six of the members bring their planes to each meeting and provide information on

the building, finishing, detailing, documentation and flying techniques unique to their particular model. You can find out more about the organization by visiting their link on the website, www.mnbigbirds.com. Guests are always welcome!

Anyone venturing to the field recently may have been surprised to see a rather large pile of trees and brush still remaining at the east end of the field. Actually, a correction is in order... In last month's article I stated that all of the brush had been burned. Since the article is written about a week in advance of publication, I assumed that the brush would be burned by the time the newsletter was printed. That has proven not to be the case. John Dietz and myself, Morgan Larson, and Conrad Naegele spent most of a day trying to get the last remaining pile to burn and we were only mildly successful. However, we did manage to keep the fire burning long enough to roast a few brats and hot dogs. We should have a few more opportunities to get rid of the pile before the Spring flying weather arrives. Many thanks to those who attended the last burning party!

The Annual Auction is almost here again, and I'm anxious to see all of the planes, radios, engines and assorted equipment that will surely arrive on the morning of February 10th. This event (our 31st Annual) has grown through the years into the Midwest's premier auction drawing sellers and buyers from at least five neighboring states. It's a great opportunity to turn the items you're no longer using into some hard cash, so that you can buy a few new things. As our primary fund-raising event, we rely on all of the TCRC membership to volunteer for a few hours each year to help the event run smoothly. Last year we had a record turnout of volunteers and everyone had a good time without having to work too hard. We hope to see you all at the auction again this year!

I hope to see you with your skis at the field! ☺

Pictures From TCRC's All Season Flyer Kick-Off



Pat Dziuk, his father and his brothers celebrate Pat's 40th birthday at the Jordan Field.



Mike Robin puts his glow-powered plane through its paces at the ASF Kick-off.



The Jordan Field parking lot was full of cars for the 2007 ASF Kick-off.



Mike Timmerman seems to have the attention of several pilots in the pits during the ASF Kick-off.



Tom Thunstedt and son and their electric Kadet.



Gerry Dunne was a prolific flyer at the ASF.

From The Co-Pilot's Seat

by Chris O'Connor

Can you believe it's already February?

Hopefully everyone has a good start to their winter building project. I know that I do. At our next meeting for Show & Tell I'm bringing my Mustang and showing a very easy way to find the exact location of openings in you cowl that you may have to make for glow plug, needle valve, muffler, etc. Speaking of our next meeting the program will be on jets, scale and non-scale, and on turbine engines. Dave Schwantz will be doing the program and he is an expert on turbines, and anything jet-related. He can even sign a turbine waiver for you when you are ready to fly your jet. **DON'T MISS THIS ONE! TURBINE ENGINES ARE HERE TO STAY, AND DAVE CAN GIVE YOU ALL THE LATEST INFO THAT YOU WILL NEED TO GET STARTED.**



Sherwood Heggen, Larry Couture, Chris O'Connor, Steve Meyer, Bill Jennings and Dave Andersen presented the Civilian Scale program at the January meeting. (Photo by Jim Cook)

Last month our program featured civilian scale. Thanks to Sherwood Heggen, Steve Meyer, Larry Couture, Dave Andersen, Bill Jennings for bringing their planes for the program.

The March meeting will be on electrics, and will feature Bob Savre in his second installment on everything you needed to know on electrics.

The winter workshops have started and Bill has lined up a great set of topics to help everyone on their building projects. Also our winter shop tours have started, the first one was hosted by Larry Couture. Thanks Larry. The next two will be in the month of February, starting on

Saturday, February 17 At Scott Johnson's shop in Bloomington. Saturday, February 24th will be at my house (Chris O'Connor) in Long Lake. The directions to my house are: 494 west to 394 west, 8 miles to the town of Long Lake. Go thru town to Willow Drive (SA and McDonald's) turn left and go 1/2 mile to Woodhaven Drive on your right, just past fire station on the left. Turn right onto Woodhaven Drive and go to the third house on the left, almost to end of road -- 2525 Woodhaven Drive. Both shop tours go from 2 to 4 PM. Make sure you come and see some ideas you might use in your shop. Our shop tour in March will be at Allan Boucher's. I would like to have two more shop tours after Allan's, so please contact me.

Last but not lest is our annual auction on February 10th. Plan on attending and better yet, helping! Get involved -- its fun!

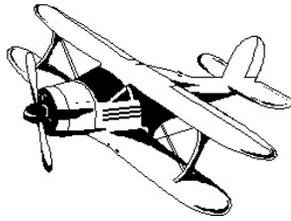
Remember bigger is better!
Happy building. ☺

Winter Fun Fly March 3rd

When it's around zero outside and the forecast is for snow, you know you are in the middle of winter. But TCRC's last cold-weather event, the Winter Fun Fly is only a month away. That means Spring can't be far behind.

Bill Jennings is the chair for the Fun Fly and has not announced the start time as yet, nor what he has planned. However it is a pretty good bet you will probably need to have skis on your airplanes if you're going to be flying. Let's have a great turnout to give Winter a send off. ☺

Show & Tell



Great planes just keep showing up at the meetings!



Gerry Dunne had another electric at the January meeting. This was a profile 3D plane that he had built from plans he got from Jay Bickford. The wing was done in clear yellow and the fuse was white with red and blue trim. It was powered by a Hi-Maxx 2812 with a Li-Po 1,200 mAh 3-cell battery and the loaded weight was 16.4 ounces. He has put about 9 flights on the plane, 7 of them the previous Saturday at the January 2007 ASF Kick-Off. He said it had great power and was a very nice flyer.



Mike Burk also had a 3D profile plane, this one a Super Zoom foam plane by Hacker. It weighed in at 13.8 ounces without the battery and would be about 16 ounces with the battery. The plane was white with blue trim and the underside of the wing had red invasion stripes. It was powered with an AXI 2812 26 outrunner motor, but he felt it was short some power during the one flight he put on the plane the previous Saturday. ☺

TCRC Auction February 10th

The time has arrived for TCRC's biggest event of the year – the Annual Auction. This will be the 31st year the club has put on the auction, and it sounds as this one will again attract lots of buyers and sellers.

The auction will be at its usual location at St. Peter's Church at 6720 Nicollet Avenue in Richfield. Buyer and seller registration will start at 8:00 AM, but the many club members who work the event will need to be there at 7:00 AM to set up the rooms.

As always, we will need help from every member to make the auction a success. The various areas where workers are needed are: area set-up, buyer registration, seller registration, impound area, concession stand, raffle, auctioneers, spotters, recorders, cashier, and, when it is all over, the clean-up crew.

Kathy Dietz is again chairing the concessions area and has been putting together her crew of ladies that are sure to make that area a big success.

Gerry Dunne has the raffle well in hand. Make sure to get your tickets back to him by auction day.

The rules of the auction are the same as last year: Entrance fee is \$3, minimum opening bid is \$20, and the minimum bid increment is \$5. The club takes a commission of \$5 or 10% on the winning bid whichever is greater. A seller can protect his item if he is the highest bidder. The club takes 10% of his bid to a maximum of \$20 when a 'buy back' occurs.

Let's see all of our members at TCRC's 31st Annual Auction at St. Peter's Church in Richfield as workers, buyers and sellers! ☺

TCRC 50th Anniversary Plans Underway

There are not too many RC clubs that can claim they have been in existence for 50 years – and this year TCRC joins that elite group.

In preparation for the club's 50th anniversary, a committee has been appointed to determine what should be done to celebrate the event. Committee members are: Mike Timmerman, Tom Thunstedt, Jim Ronhovde, Scott Anderson and Jim Cook. A meeting was held on Saturday, December 30th to discuss the many possibilities that can be scheduled. Some of those ideas include:

- A club shirt with special logo
- Celebration at Jordan Field
- Programs of club history
- Article in *Model Aviation*
- 50th Anniversary Booklet

Scott Anderson had a potential logo design (shown below) for the event.



It was felt that AMA District VII VP Bill Oberdieck should be invited, and possibly others from

the AMA as well. It was also suggested that current members should make it a point to invite previous club members that they know.

The committee thought the anniversary celebration could be combined with Model Aviation Day.

It was also thought that we should consider two shirts – one a T-shirt with a screen print of the logo, and a denim shirt with an embroidered logo. Costs are being obtained and will be presented to the club.

The committee will be meeting again soon to refine the plans. If other members have ideas of what they would like to see done for the club's anniversary, please contact one of the committee members at a monthly meeting. ☺

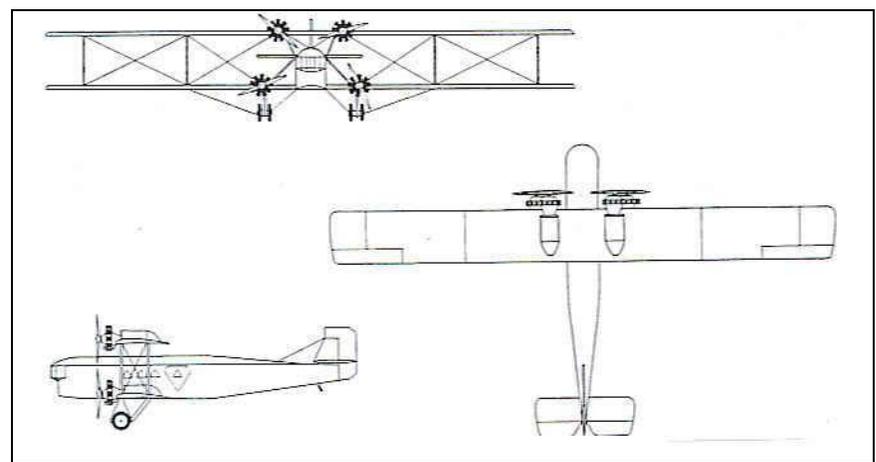
TCRC meets every month on the 2nd Tuesday at 7:00 PM in Fellowship Hall of CrossPoint Church located on the southeastern corner of the intersection of 98th Street and France Avenue in Bloomington. Guests are welcome to attend these meetings.

Calendar

Feb. 3	All Season Flyer 11:00 AM, Jordan
Feb. 10	TCRC Auction 8:00 AM St. Peter's Church 6720 Nicollet Ave. Richfield, MN
Feb. 13	TCRC Membership Meeting, 7:00 PM Fellowship Hall CrossPoint Church Bloomington
Feb. 17	Kit Building Workshop #3 9:00 AM, CrossPoint
Feb. 17	Shop Tour, 2:00 PM Scott Johnson
Feb. 20	Auction Review Board Meeting 7:00 PM Shepherd of the Hills Church
Feb. 24	Kit Building Workshop #4 9:00 AM, CrossPoint
Feb. 24	Shop Tour, 2:00 PM Chris O'Connor
Mar. 3	Winter Fun Fly



February Mystery Plane



The World's Largest Aircraft -- A Russian Antonov 225

an e-mail from Larry Edelman

How'd you like to fly this machine back to Russia? One of its engines is larger than a pick-up truck.



There was a little excitement recently at McCarran Airport in Las Vegas with the arrival of the world's largest aircraft, a Russian Antonov 225. It was there to deliver a very large power transformer for Nevada Power, which had been built in Turkey. Apparently G.E. or Westinghouse weren't capable, or they lost the 'bid' to Turkey.

Note the wingspan is just about a football field length. Aircraft specifications are at the bottom.

Some of the specifications:

Wingspan	290 feet
Height	89.4 feet
Length	276 feet
Number of wheels	24
Max. T.O. Weight	1,322,750 lbs. (Over 660 Tons)
Maximum payload	551,150 lbs. (Over 275 Tons)
Engines	Six Lotarev D-18T turbofans
Maximum speed	530 MPH
Cruise speed	495 MPH
Range	8,310 Miles

Only one of these aircraft has been built and it's not for sale. ☺

TCRC Raffle February 10th

by Gerry Dunne

The TCRC Auction is just about here and that means the TCRC Raffle is coming too!

The prizes for the raffle have already been procured:

- e-Flite Mini Funtana X Electric airplane
- Spectrum DX6 Radio
- OS Max 46 AX Engine
- Hobby Warehouse Gift Certificates

As you can see, these are really great prizes!

Every member of TCRC has been sent \$15 worth of raffle tickets, to be bought or to be sold. These sales are used to pay for the prizes and it is very important that every member sells his tickets. Remember, you don't have to be present to win. Winners will be drawn during the TCRC Auction on February 10th.

Last year, we had a great raffle, and with these prizes, we should have even a better raffle this year. Be sure and get your ticket stubs back to Gerry Dunne before the drawings at the Auction.

Thanks in advance for making this year's TCRC Raffle very successful. ☺

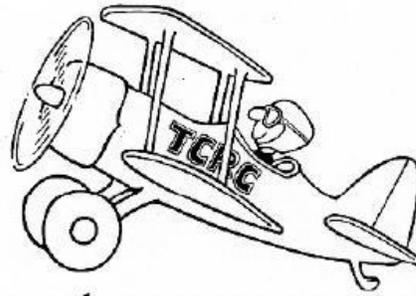
**Have You Returned
Your TCRC Raffle
Tickets Yet?**

Renew Your AMA Membership

If you haven't renewed your AMA membership yet, now is the time! You can renew by mailing back the renewal form you received in the mail, or for an easy quick way, renew online at <http://www.modelaircraft.org/preapp.aspx>

Remember that TCRC requires all pilots who fly at our Jordan field or the Scott County Fairgrounds to display a current year AMA membership card or current year TCRC membership card. If you don't have your card with you, you will not be allowed to fly. So don't get stuck out in the cold in February - renew your AMA now before you forget. . . Also, you will be required to show proof of 2007 AMA membership when you renew your TCRC membership. Also renew your TCRC membership today.

Renew your AMA and TCRC memberships today! ☺



TCRC 31st ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS - MINNEAPOLIS AMA CLUB #383

SATURDAY - February 10, 2007



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:

St. Peter's Catholic Church
6720 Nicollet Avenue
Richfield, Minnesota

When:

REGISTRATION Begins at 8 AM
AUCTION Begins at 10 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
More info at www.tcrconline.com



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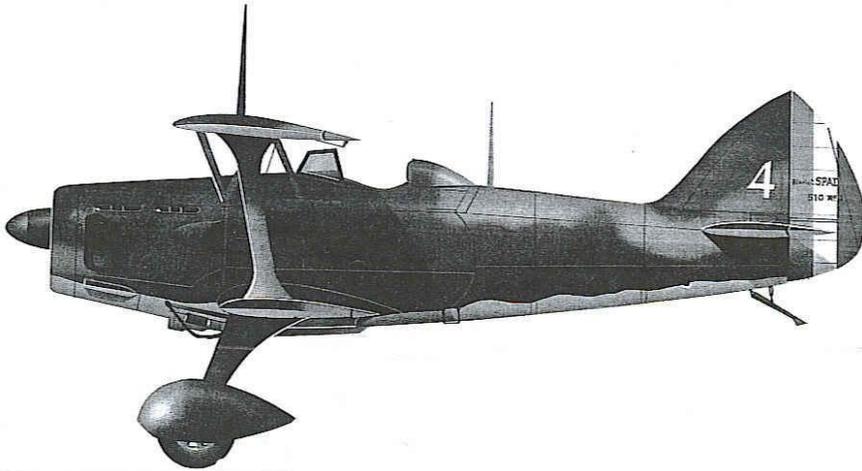
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Bleriot Spad S-510

by Conrad Naegele

The January Mystery Plane was the French Bleriot Spad S-510.



The S-510, being a biplane, was unique among the many contenders to meet a French requirement in 1930 for a single-seat fighter, in as much as this was the start of the 'modern' fighters – i.e.—monoplanes.

The S-510 was largely metal, duralumin, a steel monocoque fuselage, equal span wings were metal, fabric covered, with I type struts, and a considerable sweepback upper wing only. It also had fixed spatted landing gear. The original engine was of 960 horsepower. The prototype did not fly until 1933, and was constantly tweaked – a longer fuse for stability and the addition of ailerons on upper wings! In its final form, it was outstanding in maneuverability and had a fierce climb. It had several machine gun arrangements.

In spite of superb handling and being a stable gun platform, the biplane fighter was just a relic, and by 1939, the entire production was relegated to training schools and reserve fighter squadrons. There were unconfirmed reports that these fine airplanes were flying on the republican side during the Spanish Civil War.

The Bleriot Spad was powered with a Hispano-Suiza liquid-cooled 12-cylinder inline engine and developed 960 horsepower. It had a wingspan of 20 feet and a gross weight of 3,697 pounds. Armaments were 4 7.5 mm machine guns in under-wing gondolas. ☺

Time to Renew your TCRC Membership

by Pat Dziuk

It's time to renew your TCRC dues. Regular membership dues are:

- Regular \$75.00
- Junior \$37.50
- Social \$30.00

There are still a few who have not renewed yet. So send in your check today and be included in the roster printing at the end of February.

Please remember to enclose your check and a copy of your 2007 AMA card with the renewal form in order to receive your TCRC 2007 membership card. ☺

TCRCOnline.com

TCRC has one of the best websites in the country. Have you visited it lately?

Webmaster Pat Dziuk has put a lot of work into TCRCOnline.com. There is something for everybody – novice, expert, and everyone in between.

This newsletter is usually on the website within hours of its completion. And all of the pictures you see are in vivid color!

Have a question about the hobby? Ask it in the Forum and you'll get lots of answers.

Visit TCRCOnline.com today and often! ☺

**Your Help Is Needed At the TCRC
Auction On February 10th**

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Shakopee, Minnesota 55379

Nice Looking Workshop!



Mike Timmerman, Morgan Larson, Jim Ronhovde, Rick Smith and John Dietz marvel at the space Larry Couture has for working on his RC aircraft. Everyone knows Larry is quite prolific in plane construction and it was nice to see where they all came from. (Photo by Bill Jennings)

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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