



December

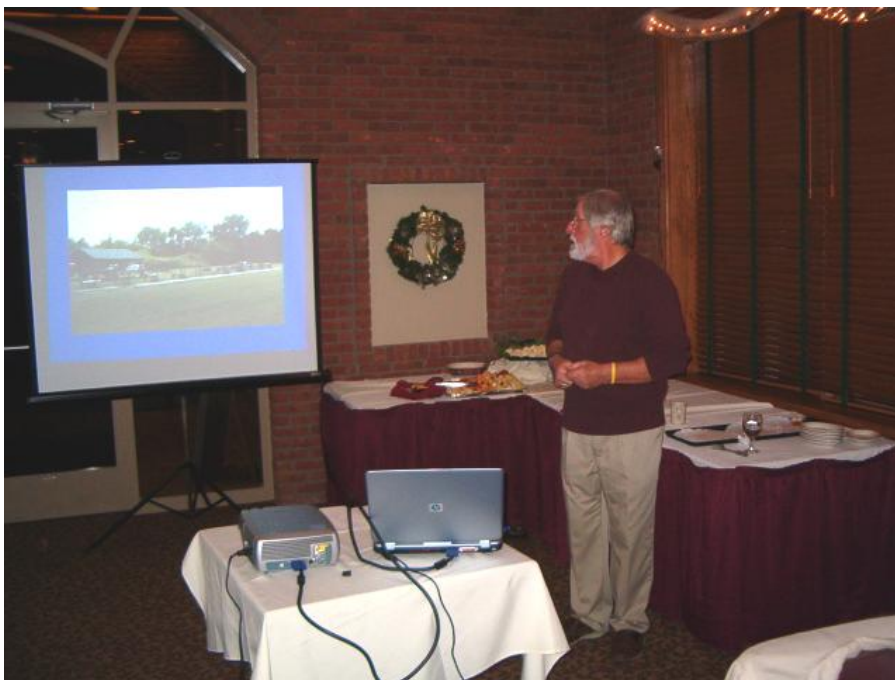
Minneapolis, Minnesota U.S.A.

2006

2006 TCRC Banquet A Crowded Affair!

by Jim Cook

President Bill Jennings and vice president Chris O'Connor hosted the 2006 edition of the TCRC Banquet, and they made it one of the biggest banquets ever. President Bill attributed the increased attendance of 52 members this year to the combination of a formal invitations being sent to every member, and a relaxed dress code.



President Bill narrates the 'Year in Review' slide show at the annual banquet. (Photo by Jim Cook)

The banquet was again held at Dangerfield's Restaurant in Shakopee. Cocktails and hors d'oeuvres started at 5:00 PM and then a delicious buffet dinner was served shortly after 6:00 PM. The tables had very nice floral centerpieces that had been designed and made by Lynn O'Connor and her nurse Kim Davis.

Following the dinner, Bill presented a 'Year in Review' slideshow with lots of pictures of the many, many events that were held by TCRC in 2006.

Next, the outgoing board of directors were recognized and thanked for their contributions to a very successful year for the club.

The incoming board of directors were then recognized and given the reins to guide the club in 2007.

Historian Jim Ronhovde was called on to make the 2006 Service Awards for years of membership in the club. He presented TCRC service patches to several members, including the first ever 45-Year awards to Stan Erickson and Jim Miller. (See the article on page 9 of this newsletter for a complete summary of the service awards.)

Bill and VP Chris then honored several members for specific contributions in 2006:

Jim Ronhovde and John Dietz for their work on the tractor sheds.

Conrad Naegele, Dave Erickson, Rick Smith and Don Knauff for their work on field projects.

Larry Couture for his survey work for the land swap.

Jim Cook for the newsletter.

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The President's Hangar

by Bill Jennings

The past few weekends of unseasonably warm weather have brought large groups of pilots to the field to enjoy what, for some; will be their last few flights of the year. As the year 2006 draws to a close, we'll see some major changes in the Minnesota climate. As a youngster growing up in California, I was only mildly aware of the seasonal weather changes. The temperatures in northern California range from the 90's in the summer to the high 30's in the winter, a range of perhaps sixty degrees. In Minnesota we may experience anywhere from -30 degrees in the winter to the high 90's in the summer, a range exceeding 125 degrees! A single month of elapsed time can bring about a huge change to the Minnesota weather scene.

We're also seeing some changes in the immediate TCRC environment... the grass on our flying field has already changed from vivid green to a shade of dusty brown. A snowy white blanket will eventually cover the entire surface of the field. If you usually pack away your models at this time of year and wait for spring to arrive, I urge you to try something new this year – winter flying! Many of the members have found winter flying to be just as much fun as warm weather flying. A quick check of previous newsletter issues on the website will provide color photos of the

enthusiastic group that usually arrives for the All Season Flyer events. If you recognize any of the faces in the photos, ask them to share a few memories of past events with you and consider joining the group this year...



A happy winter flying group!

This is also the time of year that we elect officers to run the club for the forthcoming year. I'd like to take this opportunity to recognize the following outgoing board members for their many contributions this year: Pat Dziuk has served as the club secretary for two years in addition to managing the web site, working as co-publisher of the newsletter, and building aircraft setup benches. John Dietz has also served the club as treasurer for two years, in addition to leading club improvement projects, such as the new tractor shed. Scott Anderson has served as a board member for two years, following a 5-year term as club president. Scott also organized and ran two major events this year – the Air Expo display and the Model Aviation Day open house. These guys have helped the club to run smoothly and have certainly made my job as president much easier this past year – THANK YOU!

The club has also benefited greatly by the contributions and support of returning officers, vice president Chris O'Connor and

board members Jim Ronhovde and Mike Timmerman. In addition to their officer responsibilities, each made many additional contributions: Chris organized the workshop tours, Jim continued in his role as club historian, and Mike built additional setup benches and picnic tables.

In addition to the returning team members, I'm also looking forward to working with the newly elected officers: Allan Boucher for a one year term as club secretary, Mike Burk for a one-year term as treasurer, and Gerry Dunne for a two-year term as board member. All of us will be working hard this coming year to ensure that the club continues to provide the services enjoyed by the entire membership. If you have ideas for improvements or activities you'd like to see offered, be sure to let us know.

Be sure to attend the next membership meeting to be held on Tuesday, December 12th. Chris O'Connor's programs continue to become more informative and entertaining each month. If you miss a great program, your friends who attended will be sure to let you know! The details of the 2007 Events Calendar haven't been finalized, but there's some good news... we've scheduled repeat sessions of the popular Kit Building Workshop and Workshop Tours that were held last winter. Just in case, you're not a winter flyer...

I've really enjoyed serving as president this past year and look forward to helping TCRC continue to prosper and grow in 2007 as we celebrate our 50th year of operation. In the meantime, I hope to continue to see you at the field. Happy Holidays to all! ☺

TCRC Banquet

Continued From Page 1

Bill called on Pat Dziuk for the presentation of the Walt Billett Award. Pat called the other two members of the Walt Billett Award committee, Jay Bickford and Conrad Naegele to help with the presentation. These three represented the last three recipients of this prestigious award.

Pat explained that the Walt Billett Award is given to that TCRC member that best personified the purpose of the club: "To preserve, encourage and further develop the hobby of building and flying radio controlled model airplanes." The 2006 award was then presented to Bill Jennings. (See the separate article on page 6 of this newsletter.)

The banquet was turned over to VP Chris who was in charge of 'fun and games'. This started with a competition among tables to make the most number of words from the word 'transmitter'. The winning table came up with 53 words and each person at the table was given a gift certificate.

Chris then passed out Bingo cards and several games were played for many nice prizes.

At 9:00 PM, the banquet drew to a close, and everyone headed home.

Thanks to all of the members and spouses that attended and made this such a huge banquet. Very big thank yous to Bill Jennings, Chris and Lynn O'Connor, and Kim Davis for their efforts in making the 2006 banquet such a big success. ☺

Spouses Are A Big Part Of The TCRC Banquet



Mary Cook, Janice Ronhovde and Judy Neutgens enjoy a conversation before dinner at the banquet. (Photo by Jim Cook)



TCRC history is always available at the banquet via Jim Ronhovde's picture albums. (Photo by Jim Cook)

TCRC 2006 Elections

TCRC held its elections for the 2007 board of directors on Tuesday, November 14th.



Officers John Dietz, Chris O'Connor, Bill Jennings and Pat Dziuk preside over their last meeting in 2006. (Photo by Jim Cook)

The nominating committee had come up with a complete slate of officers and directors for the 2007 board, and the elections for the positions were all very close.



Five of the 2007 TCRC board members after the November elections. (Photo by Jim Cook)

President Bill Jennings and vice-president Chris O'Connor were running unopposed, and will remain in those positions in 2007.



Member Jon Perry puts his vote in the ballot box at the November elections. (Photo by Jim Cook)

Allan Boucher and Bernie Gaub were running for out-going secretary Pat Dziuk's seat. When the votes had been counted, Allan emerged as the 2007 secretary.

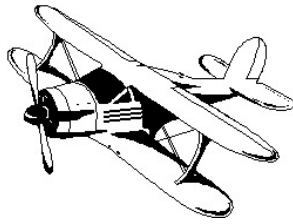
Todd Schwartz and Mike Burk were running for out-going treasurer John Dietz's seat. After the vote tally Mike Burk became the 2007 treasurer.

Only one of the three board seats were up for election this year. Scott Anderson was the incumbent and was being challenged by Gerry Dunne. After balloting, Gerry was announced as the 2007 board member.

The two remaining seats on the board are held by Mike Timmerman and Jim Ronhovde.

Congratulations to all of the members of the 2007 board, a big thank you to all of those that were candidates for the positions, and another big thank you for the large turnout of members that voted in the elections. ☺

Show & Tell



It's just the start of the building season and yet planes just keep showing up at the monthly meetings!



Mr. Electric, Gerry Dunne had another of his favorite kind of plane (electric) at the meeting. It was an Icarus Wizard, which was a profile electric. This nifty plane was on floats and done in yellow with blue and white trim. It weighed in at 8.5 ounces and had elevons and full rudder. Gerry has already put about 40 flights on it and says it goes straight up and can fly in a 15 mph wind, but becomes somewhat of a handful in those conditions.



Jim Cook had his newest electric – an E Flite Gypsy. This was an ARF done with clear yellow

wings and a red fuse and powered with a gear-reduced 370 engine that came with the kit. The battery was an 1,800 mah lipo and the plane fully loaded weighed in at 15 ounces. Jim built this so he could fly in the Metrodome a little slower than he did last year. He put the maiden flight on the Gypsy on November 4th and was happy with its flight characteristics.

Mike Burk had an Insane Foamy Solara which was an electric profile biplane. The picture of this plane got lost in Jim Cook's camera, so it not present with this write-up. Mike said the kit was not a good one – there were lots of warping problems. The engine was an AXI 2212 and the Solara weighed in at 12.3 ounces. He said it was a good 'old man's plane as it was nice and slow, but also could not fly in the wind.



Jim Cook had a second plane at the meeting. A Great Planes Big Stik 60 that he had picked up at the TCRC auction two years ago. It was traditional red with German crosses on the wings and tail, but was done in yellow on the underside. It was powered with a new 91 Surpass 4-stroke and he had added a JMH onboard glow system for a nicer idle. This plane had its maiden flight also on November 4th and was a great flyer.

Larry Couture had an unfinished Cap 21 at the meeting that he had picked up on the internet. It was structurally complete and would take either a large glow engine or a small gas engine. He decided he was going to sell the plane instead of completing it and if you are interested in a nice looking Cap 21, you should give him a call or catch him at the field to negotiate your price. ☺

Bill Jennings Receives TCRC's Walt Billett Award

by Pat Dziuk

The Walt Billett Award is given annually to the member who best personifies the purpose of our club: "To preserve, encourage and further develop the hobby of building and flying radio controlled model airplanes."

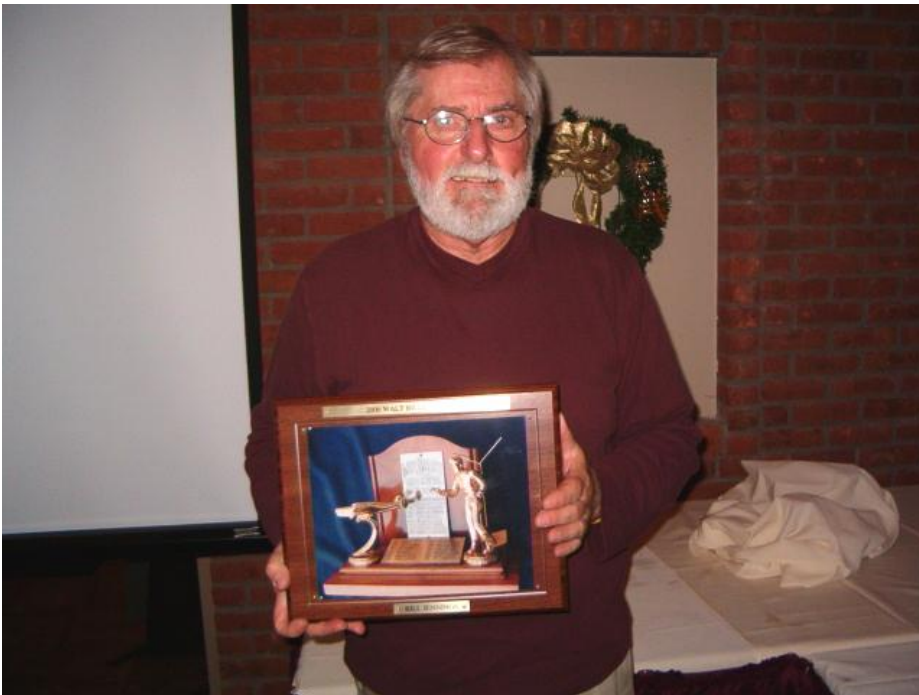
By Jim Ronhovde's count, this year makes the 49th time that the award has been bestowed upon a deserving member.

This year, the award committee comprised of the past three recipients – Jay Bickford, Conrad Naegle and Pat Dziuk -- looked back at our 2006 members, their contributions and selected this year's recipient, and the selection was pretty easy – Bill Jennings.

Bill also worked hard to bring recognition to the Twin City Radio Controllers by applying for the AMA Leader Club Awards. In order to recognize the leadership of the best model clubs, the Academy has established the AMA Leader Club Awards. These awards can be earned by any AMA Chartered Club, by meeting certain standards of community service and activity. With his help TCRC will qualify as a Gold Leader Club in 2007 which just happens to coincide with our 50th Anniversary year.

It is very easy to see that Bill Jennings is a very deserving recipient of the 2006 Walt Billett Award.

Congratulations to Bill for receiving this prestigious award and thanks to Bill for all of his efforts this past year in making TCRC an even better club. ☺

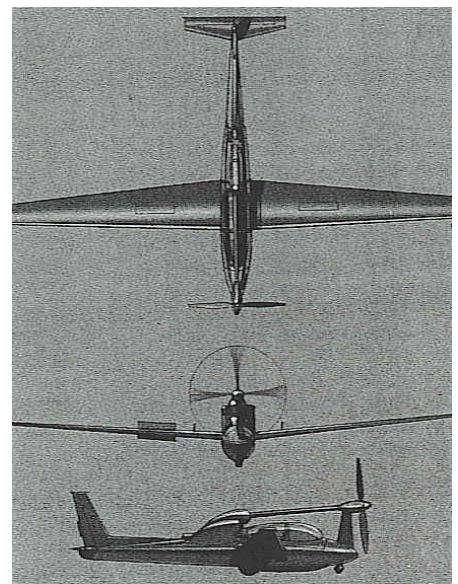


Bill Jennings holds his plaque honoring him as the 49th winner of TCRC's Walt Billett Award. (Photo by Jim Cook)

Bill has truly lived up to all aspects of our club's motto. He helped preserve and encourage the hobby by recruiting at least three new members and worked with them on the buddy box to ensure their successful entry into our hobby.

He brought an increased focus on building by championing a series of kit building workshops this past winter – a side of our hobby that is slowly slipping away.

December Mystery Plane



2007 AMA All Season Flyers

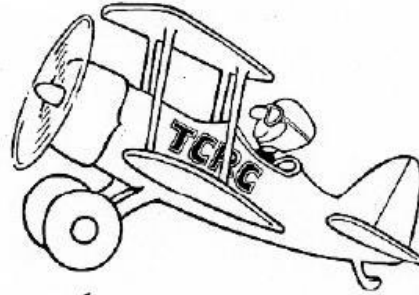
2007 should be your year to earn an AMA All Season Flyer patch.

To be an all season flyer, a pilot must make at least one flight outdoors in every month of a calendar year. That means, to earn a patch in 2007, you have to start in January!

There are a large number of TCRC members that make it a point to be an all season flyer and they usually designate one day per month in the cold weather months to meet at the field and do a flight or two.

With the popularity of the electric planes, it has made earning you ASF patch a lot easier. You no longer have to struggle to get a cold glow engine started and then adjust the carb with your hand in a very cold backwash from the prop.

If you haven't been an all season flyer yet, 2007 is your year. Check with the others at a meeting and find out when the group will be flying each month. ☺



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

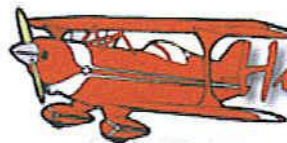
Raffle & Concessions!

- 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

**Check This
Space For
Grand Re-opening
News!**



Hobbywarehouse

7144 Chicago Ave. S. Richfield, MN

**Open Limited Hours
During Remodeling!**

**Wednesday 3:00 p.m. to 7:00 p.m.
Saturday 10:00 a.m. to 6:00 p.m.**

Tom Steinmueller, Owner

612-861-5587

From The Co-Pilot's Seat

by Chris O'Connor

Hopefully everyone has had a chance to get out and fly with all this beautiful late fall weather. Who thought that the weekend after Thanksgiving would be so nice. Could we be in store for more? Besides flying has everyone started their winter building project. Now's the time to start, and if you're contemplating a project, here's an idea for you . . . a scale model -- anywhere from fun scale to Top Gun scale. So much to choose from! Even giant scale. The choice of models is endless, from ARF's to ARC's, to kits, to plans. Remember, you need something for those club winter building workshops.

Also starting in January we will continue our winter workshop tours. A minimum of four, one each month, or two each month, depending on how many of you open up your shop to the rest of us. Please let me know when you would like to put your shop on the tour schedule. What a great way to break-up the winter.

Again this year I plan on having programs each month at the meetings, so plan on attending and maybe we could have a goal of increasing attendance. Plan on coming, the meetings are fun! Remember, it's the second Tuesday of each month. See you there!!!!!!

featuring his giant scale P-51 Mustang that is Top Gun quality. He manufactures planes for sale of this quality -- you have to see them! He also talked about participating in Top Gun and what a joy it has been for him. Thanks, Wayne for your support of this hobby and also your time spent with TCRC.

This next meeting (December 12) will focus on scale again, but will be all about warbirds, from small to large. Here's your chance to choose which warbird you'd like to start, maybe even this winter. Don't miss this one. One last reminder for those interested in scale. There's a group here in town called Minnesota Scale Flyers. It's not a club, but people from all clubs in the area that are interested in scale. They meet the last Friday of the month at the American Legion in Richfield on Portland Avenue just north of 66th Street. The time is 7:00 pm. There is no business, just all program. At each meeting about 50-60 people are present with 8-10 from TCRC. The planes that show up are really neat to see. So if you're interested in scale, then attend TCRC meetings and Minnesota Scale Flyers, you won't be disappointed. Remember bigger is better.

We just finished our annual banquet and it was a big success. I think there were almost 60 members and spouses at the event held at Dangerfield's Restaurant in Shakopee. President Bill and I were responsible for the banquet and I think it really was very enjoyable. Thanks to all that participated. Your attendance was appreciated.

That's it for this month. Hopefully we'll see you at the December meeting. ☺



Wayne and Nancy Siewert at the November meeting with Aerotech's magnificent P-51. (Photo by Jim Cook)

Last month our program featured Wayne Siewert of Aerotech Models here in Minneapolis. Wayne gave an outstanding program on scale,

TCRC Service Awards Presented At Banquet

One of the traditions at the Annual TCRC Banquet is the presentation of service award patches to club members honoring their years of membership in the club.

Club historian Jim Ronhovde maintains the records and has made the presentations of the awards for several years now.



Jim Ronhovde presents Stan Erickson and Jim Miller with their 45-Year Service Patches at the banquet. (Photo by Jon Perry)

The 2006 TCRC Service Awards were:

5 Year

- Brandon Anderson
- Alan Boucher
- Bruce Ferche
- Thad Gorycki
- Christopher Jirak
- Richard Patch

10 Year

- Mike Cochrane

15 year

- Don Olson
- Craig Greenwald

45 Year

- Stan Erickson
- Jim Miller

The final two patches awarded for 45 years of membership in TCRC were pretty impressive. Stan Erickson and Jim Miller not only have been members in the club over that period of time, but both of them have been very active in club functions over that entire span.

Those members who have earned the patches as noted but were not present at the banquet may get them from Jim at a membership meeting.

Congratulations to the recipients for their longevity in the club. A big thank you to Jim Ronhovde for his many years of maintaining the membership records so these awards can be given each year. ☺

Calendar

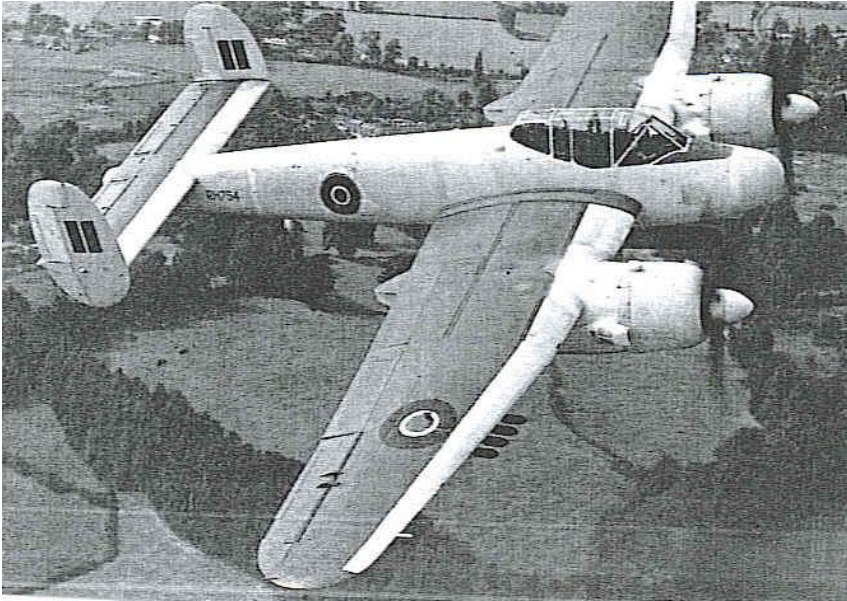
- Dec. 7** TCRC Dome Flying % MARCEE
- Dec. 12** TCRC Membership Meeting, 7:00 PM Fellowship Hall CrossPoint Church Bloomington
- Dec. 15** AMA Dues Deadline
- Jan. 15** TCRC Early Bird Dues Deadline
- Feb. 10** TCRC Auction St. Peter's Church 6720 Nicollet Ave. Richfield, MN



Bristol 'Brigand'

by Conrad Naegele

The November Mystery Plane was the British Bristol 'Brigand'.



Bristol. A name long-respected in British and world aircraft circles, From 1910 to at least 1963, it has produced many successful aircraft, from the 1910 'Box Kites' to a mostly stainless steel Mach 2 high speed research plane.

One of the World War II airplanes was the 'Brigand', which was ordered in 1943 but due to research and development, was not placed into service until 1946. This aircraft was a replacement for the terrific Bristol 'Beaufighter'. Since the war was over when put into service, the first thing they did was to restructure the plane and while it was intended as a fighter, was now a light bomber. By this time it was replacing the Hawker 'Tempest'. The Brigand remained in the RAF service until 1952 and then itself was replaced by the Dehavilland 'Vampire'.

The twin-engined 'Brigand', with 2,470 horsepower Centaurus radials, had a lot of armor plating, 5-20 mm cannons, plus bomb racks. One or two models were fitted with torpedoes.

After its RAF service, many planes were sold to various mid-eastern countries, where it continued in service until the 1970's. The very last Brigands were retired in 1959 from the RAF, when the British Electric Canberra came on line.

The Brigand was a 3-seat ground-attack bomber and had a wingspan of 72 feet. It had a top speed of 358 mph and a range, with drop tanks, of 2,800 miles.

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.

AMA Dues

Every current member of the Academy of Model Aeronautics should have received his 2007 Dues Renewal Notice in the month of October or November.

AMA dues for 2007 are:

Regular	\$58
Senior	\$48
Junior	\$ 1

Members can renew any one of four different ways:

On-line: www.modelaircraft.org

Telephone: 1-800-435-9292

By Fax: 1-765-741-0057

By Mail: AMA
5161 E. Memorial Dr.
Muncie, IN 47302

Payment must be received no later than December 15, 2006 to avoid a lapse in membership services.

Remember, to be a flying member of TCRC, you must belong to AMA. The only TCRC classification that does not require membership in AMA is the 'social' membership.

Take the time to renew your AMA membership today. ☺

Electronic Delivery of Newsletter Saves Club \$745

by Pat Dziuk

The Twin City Radio Controllers club is blessed with a hard working and talented newsletter editor – Jim Cook. Every month we are treated to 10 to 12 pages of great articles, photos and information. Two years ago the club started to offer a choice on how members received their monthly newsletter. In 2005 we had 15 members signed up to receive the *Flare Out* via email. In 2006 that number grew to 46 members and various friends of TCRC (area newsletter editors that trade stories). That is 45% of the total. Today we print and postal mail 67 newsletters each month.

This increase in members electing to receive the newsletter via email notification has saved the club \$745 in 2006. This works out to be a \$16.20 savings per member that gets his newsletter electronically. This is money that the club has to continue to invest in amenities such as the new tractor shed, starting benches, picnic tables, land swap and clean-up...

As co-publisher of the newsletter I would like to personally thank those that receive the electronic version. Not only does it save the club money, but it helps save Mike Timmerman and I folding, addressing and stamping time.

As we approach our 50th Anniversary year, I would like to

ask that the current members who receive the newsletter via postal mail consider the electronic delivery option. I know that while the world has made advances in internet availability, there are individuals that do not have the access or savvy to navigate this digital world, so rest assured that TCRC will continue to make available paper newsletters in the old fashion tradition.

If you are interested in signing up for email notification and delivery please send an email to me at pdziuk@comcast.net. ☺

Time to Renew Your TCRC Membership

by Pat Dziuk

The board of directors decided to keep the same dues structure as last year. Regular membership dues are \$75, Junior are \$37.50 and Social are \$30.

A special early bird renewal rate is in effect until January 15, 2007 again this year to encourage prompt renewal. If you have your payment post marked by January 15th you will only pay \$60 for regular membership and \$30 for junior memberships. If you renew after January 15th you will pay the full rates. A dues renewal form will be mailed to each member during the first week in December.

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. ☺

Fixing Holes

by Ernie Lee

Fixing fiberglass cracks or filling holes and missing sections on airplane parts such as cowls is not hard to do. Clean the part well. Patch the area with masking or electrical tape on the outside surface. Cut fiberglass cloth to fit the inside area and a second patch slightly larger to overlap. Coat the inside of the tape with epoxy and layer the patches. When the epoxy cures, remove the tape and the repair will have nearly the shape of the original. ☺

Keep Connected

by Gordie McCann

To prevent electrical connections (such as servo wires connected to a servo connector inside of a wing panel) from coming apart, place a short piece of heat shrink tubing around the connections and then apply heat to the shrink tubing. This will ensure a connection that will not come apart.

(Reprinted from the internet, both from the Odessa Propbusters, Odessa, Texas.) ☺

TCRCOnline.com

Use It!

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

Neat Place To Park A Tractor!



The building of the new tractor shed and repair of the old one is done and as you can tell by the photo above, they look great! Jim Ronhovde and John Dietz did the lion's share of the work with help from several other members. Thanks, guys! ☺

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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