

Timberlodge Steak House Hosts TCRC Banquet

by Jim Cook

The TCRC Annual Banquet changed venues this year, moving to the Timberlodge Steak House in Bloomington. Sunday, November 15th found about 50 members and spouses arriving at the restaurant around 5:00 PM.



Hosts for the 2009 Banquet: Wayne and Tessie Rademacher, and Sandy and Steve Meyer. (Photo by Jim Cook)

As is tradition, president Steve Meyer and veep Wayne Rademacher and their spouses Sandy and Tessie planned and hosted the banquet. Steve had proposed the change to the Timberlodge this year and also proposed that those in attendance would order off of the menu. This

seemed to work quite well, and the facilities were nice with the club meeting in a private room in the rear of the restaurant.

The event started with a cocktail hour from 5:00 PM to 6:00 and then the dinners were ordered. The food proved to be very good and it was felt that the prices were very reasonable.

President Steve welcomed all of the members and wives to the banquet and it was noted that there were several first-time attendees.

Scott Anderson was introduced and he presented a PowerPoint Year-in-Review. The computer graphics were great and Scott's presentation showed everyone how busy TCRC had been over the year. Not only did the club hold all of the many annual programs but several additional ones have joined the list including the Wisconsin Fly-In and new Scale programs.

Steve welcomed the new board of directors to the banquet, and all were in attendance: president Steve Meyer; vp Wayne Rademacher; secretary Pat Dziuk; treasurer Tom Thurstedt; and board members Gerry Dunne, Corey Kaderlik and Paul Doyle.

Continued On Page 3, Col. 1

Ramblin's From The Left Seat

by President Steve Meyer



I hope all of you are enjoying this mild November and getting in those last fall flights. The weatherman was saying on the news last night that he couldn't remember a November in the Twin City without snow....ya got to love that global warming. Skis will be coming out soon but for now we can enjoy this dry mild weather.

Elections were held at the last meeting and I am excited to be your president for another year, Wayne Rademacher is vice president, Tom Thunstedt is treasurer, and Pat Dziuk is our newly-elected secretary. The new Board Members are Paul Doyle, Corey Kaderlik, and Gerry Dunne. This is a good team and I am proud to be on it. I want to thank Craig Greenwald, Bill Jennings, and Chris O'Connor for their service to the club while on the Board. Larry Couture will continue on as safety officer.

The TCRC Banquet was held on November 15th and the party room was full. I want to thank Wayne Rademacher and his wife Tessie for the fantastic centerpieces. Scott Anderson did a great job of putting the slide show together. A special thank you to my wife, Sandy Meyer, who led us in Airplane Bingo and kept me organized...somewhat. At the banquet I received the Walt Billett Award. This is an honor I will never forget.....Thank you.

The joint board meeting was held at my house on November 24th. The 2010 calendar and budget were reviewed and approved. We discussed taking care of the runways and setting aside funds for future runway repairs. The topic of "Social Member" was brought before the board. Some of the board members don't think TCRC needs to change our by-laws for "social" membership. The "perks" that the old "social member" got are still available (newsletter, roster, meeting and field visits). We voted to discuss... "Do we really need a "social" classification"....at the next club meeting. We voted to keep the 2010 dues at the same level as last year.

The January All Season Flyer Kick-Off for 2010 will be Saturday January 2nd at the field. Pat Dziuk says the weather will be good, so come join him for some winter flying.

The 2010 auction is only two months away on February 6th. It will again be held at CrossPoint Church in Bloomington. We need the help of all the members on that day to make the TCRC auction a success. Last year went smoothly because of all the members who donated their time. Let's plan on making this the best auction yet.

I wish all of you a happy holiday season. J

TCRC Dues Renewal

The TCRC board of directors voted to keep the 2010 club dues at the same level as the 2009 dues. They are:

- Regular \$75.00
- Junior \$37.50

Dues payments are due on January 1, 2010. Any member paying his/her dues prior to January 15th will be given a discount of \$15 (to \$60.00) on an adult membership. After January 15th 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 Tom Thunstedt at a meeting or by mailing them to Tom at:

13313 Oliver Avenue S,
Burnsville, MN 55337

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

TCRC Banquet

Continued From Page 1

The highlight of the TCRC Banquet is the presentation of the Walt Billett Award. This award is presented to that club member who, over the past year, has best personified the club's purpose: To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes. Gerry Dunne, as last year's winner of the award was called upon to make the presentation. Gerry discussed the 2009 winner's contributions to the club and the hobby, it became apparent that the winner was president Steve Meyer. (See Walt Billett article on page 9.)

The entertainment for the evening was enjoyable with everyone playing aviation bingo. Sandy Meyer handed out blank bingo cards and everyone entered aviation terms onto the card from a provided list. The bingo markers were pieces of candy corn and more than one person ran short of markers because they had eaten them.

After the bingo, veep Wayne held a drawing for the centerpieces which were beautiful lithophane lights that Wayne had made on his CNC machine. (See article on page 10). These were much sought after prizes.

Around 9:00 PM Steve brought the TCRC banquet to a close and everyone headed home.

Thanks to Steve and Sandy and Wayne and Tessie for making the 2009 TCRC banquet another memorable event. ☺

The Co-Pilot's Report

by VP Wayne Rademacher



Let's start thanking all those that attended the annual banquet, it sure was a lot of fun. Being my first banquet, I do not have anything to compare too, but was told this year's venue was a step-up of years past. Choosing from the menu was a nice option over the more traditional banquet style dinner. The entertainment was great and I really liked the year-in-review picture display that Scott Anderson put together. Scott always does such nice job with photography.

I had the unique opportunity to create this year's table centerpieces. My original idea was to create wood carvings of airplanes, thinking it would be something a little different. After carving the (5) displays.....something on YouTube caught my attention and caused my plans to change. I noticed guys were using CNC equipment to carve lithophanes into different plastics. Although lithophane technology has been around since the early 1800's, it's only recently (10-15yrs) that folks started making them with CNC's. The litho's I saw were incredible, just what was needed for our banquet. There was only one problem, well make that a few problems;

- Although I got the concept, I really did not know how to make a lithophane.
- My CNC need a 4th axis. (a major build)
- The banquet was only 7 days away.

To make a long story short, I built the necessary hardware and figured out the magic just in the nick of time. I completed the 6th and final lithophane just hours before the banquet. I guess I work best under pressure J

As you know, the auction is just around the corner.....hard to believe another year has just passed by. The upcoming auction has me reviewing my hanger, it feels like the timing is right to put out the old and ring in the new. I have a few planes on my Christmas wish list that will hopefully find their way into Santa's gift bag. Speaking of Santa, rumor has it that he is looking to upgrade his sleigh this season. It's been reported that he just placed a large lipo order with Hobby City J

Looking forward to another action packed flying season!

J

Pictures From The 2009 TCRC Banquet



Lots of getting re-acquainted occurred during the cocktail hour of the 2009 banquet.



President Steve welcomed everyone to the banquet after a great meal had been served.



Smiles were found everywhere during the cocktail hour at the banquet.



Bobbi Jo Dziuk celebrates a bingo win during the entertainment at the banquet.

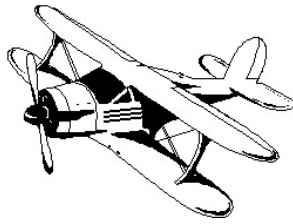


Quite a tableful at the Timberlodge.



A great time was had by all!

Show & Tell



is replacing all of the aircraft that were lost in his basement fire. This plane was yellow with blue trim and weighed in at 10 ounces. The battery pack was an 800 mah lipo. The light plane did not seem to like the wind, but during its maiden flight proved to be very stable.



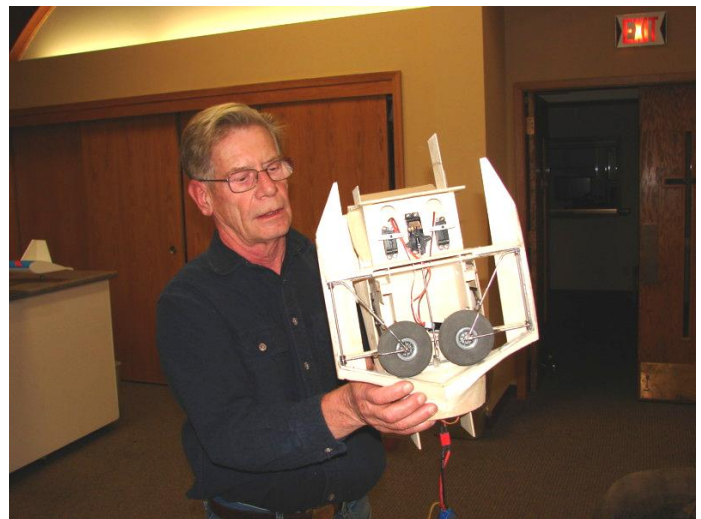
Paul Doyle kept his string alive with another plane at the November meeting. This was an E-Flite Eratix electric ARF mid-wing. This plane was a 25-size but electric, of course. It was white foam with orange and light blue trim and weighed in at 3.5 pounds. The motor used a 4-cell 3000 mah lipo battery. Paul had not flown this one, but had test flown the same plane owned by a friend. It was quite slow by Paul's standards and considerably larger than most of his other planes. He plans the maiden flight on his the weekend of November 14th.



Gerry also had a Parkzone BF 109 electric ARF warbird. It was done in gray German camouflagage and used a 2200 mah 4-cell lipo. The maiden flight had occurred earlier in the afternoon. Gerry said you do not go to full throttle from takeoff as the plane ends up back on the runway quickly. He said it handled nicely in the air however, and had plenty of power.



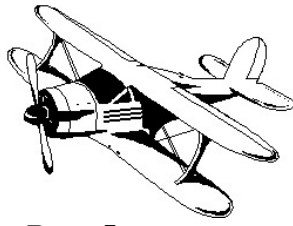
Gerry done had a Profile 3D Cap 232 electric ARF. Gerry said he was catching up on his planes since he



Joe Neidermyr had the base fuselage of a Beech Staggerwing. This was scratch-built and contained the retracts he also custom crafted. He demonstrated the retracts and they worked flawlessly. There was little room in the fuse and he also indicated the installation of the lower wing would involve some

Continued On Page 6, Column 1

Show & Tell



Continued From Page 5

problems as a support shaft will not fit. The support will have to come from struts and wires. Joe will keep the club updated as the construction continues.



New member Tim Lin had a very nice looking Boeing 767 that he had converted from an ARF 777. The foam plane was done in old United Airlines colors and he had put two 70mm electric ducted fan engines in the plane for power. The paint job added weight and the plane came in at 5 pounds when the box weight was to be 3.2 pounds. He test flew it with the called-for 65 mm fans and it 'flew like a dog'. He modified the ailerons, added flaps and with the new engines was able to develop 5.3 pounds of thrust. He has a video of it flying on his site at Youtube.com.

Larry Couture had two planes at the meeting. (See pictures to the right). The first was a Tower Hobbies Uproar ARF. This plane was powered by a 52 Saito 4-stroke glow engine and was done with a white fuse and a white/blue wing with sunrays. The plane weighed in at 3.5 pounds and he obtained it at the Hobby Warehouse Swap Meet that was held the previous month. He was able to get the nice looking ARF for only \$50. As of the meeting, the Uproar had not had its maiden flight but Larry said it would be done very soon.

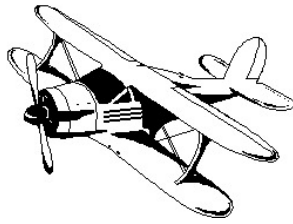


Larry also had another glow plane, a Dolphin ARF from Phoenix models. He said this plane is almost identical to a SIG 4-Star 40. It was powered with a 70 OS 4-stroke engine was done in white/blue/red and only took 4 hours to put together.



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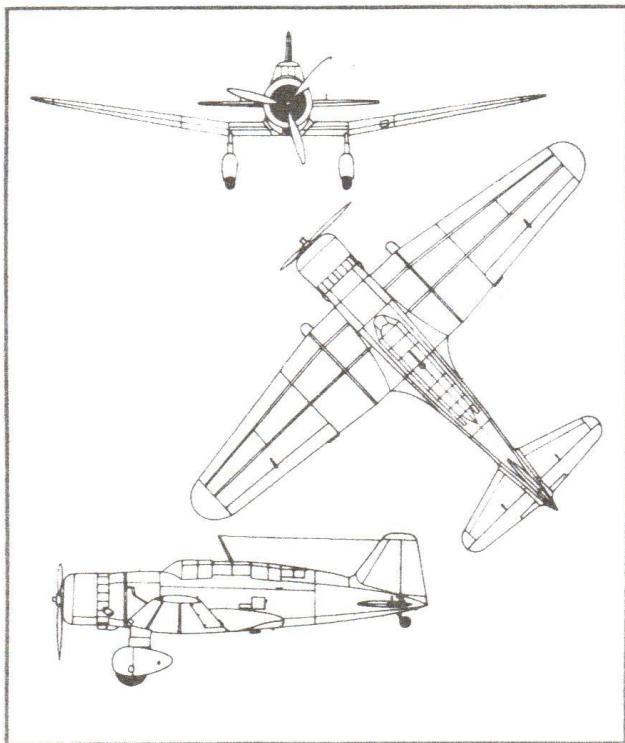
Show & Tell



Continued From Page 6

Mike Burk had a new plane at the November meeting and it wasn't a combat plane! (See photo at bottom of page 6). This was a very nice looking twin-boom, twin-engine electric. This plane, which was given to him, was done in transparent light red covering and he said the electric motors were from CD-Rom drives. He had added some very bright lights that he had purchased from Atlantic Hobby and was eager to see it fly at night. J

December Mystery Plane



Roster Pix Needed

If you are a new member and have not had your picture taken for the TCRC Roster, or if you are a more seasoned member and don't really like your picture that is in the roster, see Jim Cook at one of the next few meetings and we can get that changed quickly. J

New Hawk Printer Demo At November Meeting

The new Hawk Bee printer donated to TCRC by Chuck Edwards, was demonstrated to the membership at the November TCRC meeting.



Ken Corrin shows Jon Perry and Wayne Rademacher how easy the Bee printer is to use.
(Photo by Jim Cook)

Chuck had contacted Jim Cook in October about donating the machine. It is used extensively in the aviation industry to label parts, shrink tubes, etc. The material and printing is smear-proof, fuel proof, and heat-proof. Jim brought the printer to the October machine where Ken Corrin volunteered to take the machine, learn how to use it, and then do a demo at the next meeting.

Ken kept his promise and held the demonstration at the November meeting after the elections. It was amazing how easy the printer was to use and how versatile it is.

After the demonstration, it was decided that any club member wanting to borrow the machine should schedule that with Ken and then they could take it home for any of their R/C projects.

Thanks to Chuck Edwards for the donation of the machine, and thanks to Ken Corrin for volunteering to learn about the printer's capabilities and for demonstrating them to the club. ☺

2010 TCRC Elections

by Jim Cook

November 10th was election day at TCRC and there was a good turnout of members at the regular meeting for the event.

For 2010, six of the seven board of directors' seats were up for election: President; Vice President; Secretary; Treasurer; and 2 Board Seats. The only seat not up for election this year was the board seat currently held by Gerry Dunne.

Prior to election night, president Steve Meyer, vice president Wayne Rademacher, and treasurer Tom Thunstedt had announced they would be running for re-election. Incumbent secretary Craig Greenwald would not be running. Pat Dziuk announced his candidacy for secretary at the meeting. With no further candidates or nominations for the officer positions it was moved to close the nominations and accept the four candidates by acclamation. This was done by voice vote.

For the two board of director seats, the two incumbents, Bill Jennings and Chris O'Connor were not running for re-election. However, the action for those two seats was heavy with four strong candidates running for election. They were Paul Doyle, Scott Anderson, Corey Kaderlik and Ken Corrin.



The four candidates for the TCRC board pose prior to the election. (Photo by Jim Cook)



Gerry Dunne collects the votes for board seat at the November meeting. (Photo by Jim Cook)

The ballots were collected and the 'election committee' consisting of Jim Cook took the votes for counting. The committee reported that the results were very close but the two new members of the board for 2010 would be Paul Doyle and Corey Kaderlik.



The 2010 TCRC Board of Directors

Thanks to the outgoing board members for their past service to the club, thanks to the incoming board for their future commitment, and thanks to all of the members that came to elect the club's officers and board members.

Steve Meyer Presented The Walt Billett Award

by Jim Cook

TCRC gives an award to that person who has best personified the purpose of TCRC: To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes. The Walt Billett Trophy is presented to the recipient of that award.



Gerry Dunne presents the Walt Billett Award to Steve Meyer. (Photo by Jim Cook)

The selection committee for this award is the last three previous winners. This year's committee consisted of John and Kathy Dietz, and Jerry Dunne.

At the TCRC Banquet on Sunday, November 15th, Gerry Dunne was called upon to make the presentation. He stated that there were several deserving nominees, but the committee felt that President Steve Meyer had been very instrumental in almost every part of this hobby, from being TCRC's president, from volunteering at several big scale events, from traveling to many R/C events in the area, and from his past service to the club and the hobby. During his presidency TCRC added even more programs and events to its already filled schedule, and Steve was in attendance and helping at almost every one.

Congratulations to Steve Meyer in his very much deserved Walt Billett award. J

MARCEE Dome Flying

The Minnesota Area R/C Electric Enthusiasts (MARCEE) has again been able to obtain flying dates for inside the Metrodome. The December dates are:

- December 8 6AM to 4 PM
- December 10 6AM to 4 PM
- December 15 6AM to 4 PM
- December 22 6AM to 4 PM

The December 8th and 10th dates may include a design competition of U of MN aero engineering students and others, so there may be restrictions on flying these days. Hopefully there will be January dates also.

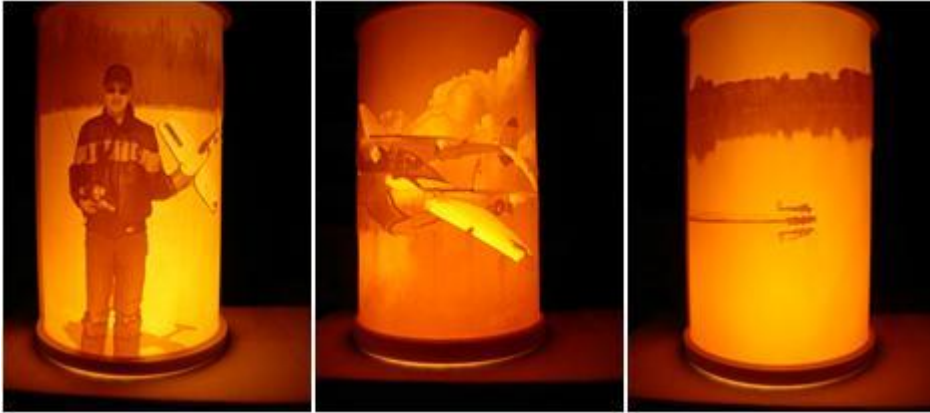
Dome Flying Rules:

- AMA (2009) required, checked, and double checked.....no exceptions! Renew now - faxes from AMA accepted as proof of membership.
- No gas powered aircraft. Electric only.
- 20/20 rules apply (no more than 20oz and/or 20mph). Contest Director (CD) has final say.
- Transmitters will be impounded.
- MARCEE members and their friends (accompanied by a member) ONLY! We have also invited the MRCSS and the Free Flight group to come and if they have an Indoor plane, we will let them fly.
- Non MARCEE members are welcome to come and watch.
- There will be 8 flight stations spread out along one side of the field.
- Dual conversion receivers are recommended.
- A separate electric helicopter area will be identified, but no forward flight will be allowed.
- No charging of any battery on the turf of the Metrodome. Charging shall be on the warning track or the concrete, with a wooden, masonite or similar board to protect the underlying surface from damage.
- Cost will be \$5 per person to offset insurance and other costs payable to the CD.

See the MARCEE.org website for parking instructions.

Membership in MARCEE is \$15/year for an adult and \$5/ year for a junior member. ☺

Lithophane Offer To TCRC Club Members



If you were at the TCRC banquet you were able to see the Lithophanes that Wayne Rademacher created with his CNC machine. They were used as centerpieces at each banquet table and then as door prizes. They have generated a lot of interest by club members.

A number of folks were interested in having Wayne make custom or personalized lights for them. This offer is for TCRC Club members:

- Photo: Any high quality digital image, color or b&w
- Cost: \$40 each
- Lead-time: 2 weeks

Contact Wayne Rademacher if you are interested. His email is rademacher@bevcomm.net. ☺

All Season Flyer Kick-Off January 2nd

With the arrival of 2010 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 – that means you must start your year in January, not just go 12 consecutive months.

TCRC has a huge tradition in qualifying all season flyers. There are several members in the club that have qualified for the award for 15 straight years!

Before the advent of the electric R/C airplanes, it was a lot harder to achieve the ASF. Glow engines really don't like to start easily in very cold weather, and it is really a downer when you have to stick your fingers in the prop blast to adjust your carburetor. Now you can just grab the plane out of the warm car and take to the skies.

So, if it's that easy, why haven't you done it yet?

The club makes getting an ASF patch even easier by scheduling monthly events. On Saturday, January 2, Pat Dziuk will be chairing the All Season Flyer Kick-Off. This is predicated on the 10-10-10 rule: If at 10:00 AM, the wind is below 10 mph and the temp is above 10 F., then the flying starts at 11:00 AM.

This is your year to become an AMA All Season Flyer! Get some skis on a plane and get ready for some great flying. ☺



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 Closed major holidays

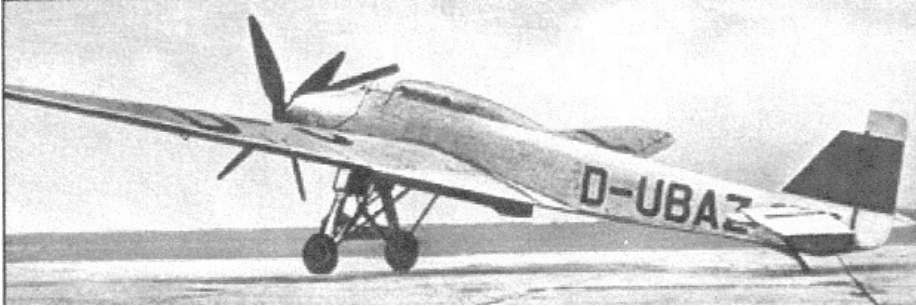
LOWEST PRICES IN TOWN
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Junkers JU49

by Conrad Naegele

The November Mystery Plane was the German Junkers JU49.



The late 1920's and early 30's saw an increased interest in the attainment of high altitudes, and a stream of new 'absolute' altitude records ensued. There were 3 basic approaches: 1) Use oxygen with a face mask – risk hypoxia and extreme cold. Up and down only as survival at high altitudes was not possible; 2) Pressure suits – notably, Wiley Post in his Lockheed Vega flew several hours at 49,000 feet; 3) Pressure cabin. As far as it is known, the Junkers JU49 was the first aircraft to achieve successful high altitude flight in October 1931.

The JU49 was developed entirely for high altitude flight. It was built in typical Junkers fashion – cantilever wing monoplane, all-metal typical corrugated duralumin. Trailing edge used the 'double wing flap and aileron system' still common today. A fixed split-axle with a tail landing gear to accommodate the large 4-bladed prop. The pressurized cabin had 5 portholes for the pilot plus 2 more on each side for the second crew member. Forward view was so poor that a periscope was fitted with a downward view for landing. The first engine, a double 6-cylinder inline producing 600 horsepower was supplanted by a 2-stage turbo-charged V-12 of 800 horsepower in 1932. There were no serious engine or cabin problems. Initial target altitude was 20,000 feet, and by 1935 flights at 41,000 feet were routine. Strangely no absolute altitude records were set or maybe not claimed but the knowledge was extensively used in WWII, particularly in the JU86P bomber. Only one JU49 was built and it crashed in 1937. It was a completely successful airplane.

To the best of my knowledge, the current absolute altitude record for piston-engine airplanes of just over 56,047 feet was set in October 1938 by Mario Pezzi in a Caproni Biplane, CA16 BIS. A pressure suit was filled with water and the engine ran in that rarified air despite the absence of a turbo-charger. Reference for this is the United States Aviation and Space Records.

The JU49 had a wingspan of 93 feet, a gross weight of 9,371 pounds, a maximum speed of 136 mph and a service ceiling of 42,700 feet. ☺

2010 AMA Dues Statements

All TCRC members should have received their 2010 dues statements in the mail from the Academy of Model Aeronautics.

AMA 2010 dues have not changed from the previous year. They are:

- Adult (19-65) \$58
- Senior (65 and up) \$48
- Under 19 \$1
or \$15 with *MA*
- Additional family \$30

Your AMA membership gives you \$2.5 million in personal liability coverage, \$25,000 in medical coverage and also a subscription to *Model Aviation* for the year.

To belong to TCRC, you must have a valid membership for the year in AMA.

Please note that AMA also has a Park Pilot membership that has a cost of \$29.95 per year, but that membership is not valid for membership in TCRC.

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

The deadline for paying your 2010 AMA dues is December 15 to avoid a lapse in membership services. Pay your 2010 AMA dues today. **J**

Calendar

- Dec. 5 All Season Flyer
2009 Finale
11:00 AM
Jordan Field
10-10-10 Rule

- Dec. 8 TCRC Membership
Meeting, 7:00 PM
Fellowship Hall
CrossPoint Church
Bloomington

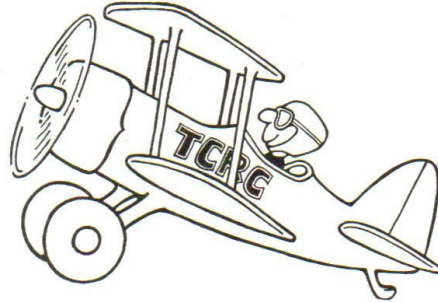
- Dec. 15 AMA Dues Deadline

- Jan. 2 All Season Flyer
2010 Kickoff
11:00 AM
Jordan Field
CD Pat Dziuk
10-10-10 Rule

- Jan. 15 TCRC Dues Deadline

- Jan. 26 Jt. TCRC
Board Meeting
7:00 PM
Steve Meyer's House

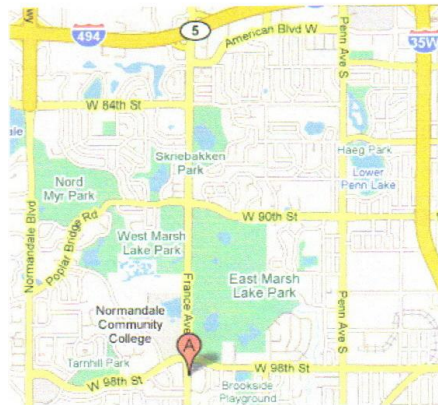
- Feb. 13 TCRC Annual
Auction
CrossPoint Church
Bloomington



TCRC 34th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS – MINNEAPOLIS AMA CLUB #383

SATURDAY - February 6, 2010



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?

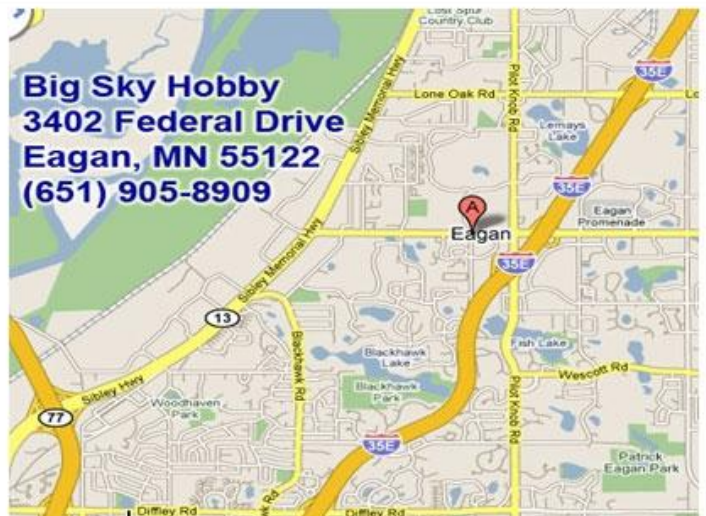
Call Jim 952-445-5257 or Scott 952-934-1471

Email auktion@tcrconline.com

More info at www.tcrconline.com



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Silent Stamina Volunteers Needed

by Mike Burk

Silent Stamina is an endurance contest sponsored by Lockheed Martin, conducted by the U of M aeronautics dept and hosted at the MetroDome by MARCEE. The event is scheduled on Tuesday, December 8th from 6:00 AM to 4:00 PM.

Currently there are 10 teams planning to enter:

- 3 from the U of M (students).
- 3 from the U of Iowa (students).
- 1 from Portugal
- 3 from MARCEE (old guys that like to mess around with airplanes).

The Dome is covered by AMA insurance so all pilots must be AMA members.

2 of the 3 U of M teams were at the Dome last Tuesday and there was not a pilot among them. Neither of the models flew, although one of the teams took a pretty conservative approach and it is likely to fly while the other was "over the top" in its use of materials and building techniques.

They need help!

Volunteers are needed to help them make their planes airworthy, to fly them and to judge. It should be a spectacle and it should be fun.

There is an alternate additional date of Thursday December 10 if the time is necessary.

Contact Mike Burk at 952-220-5555 if you are interested in helping. **J**

For Sale

Great Planes Seawind - \$260



This is a brand new (unopened box), 60 ARF - 71" wing span.

Top-Flite F4U Corsair - \$350



This is a partially assembled 62" wingspan, build-to-plan balsa model. Included are: retractable landing gear, complete with struts/wheels, Robart pneumatic retract kit, pump, gauge & air tank. Purchase to include (at no cost): Dremel Multipro Tool Kit, Exacto Knife Chest, 5 new servos, paints, CA & epoxy glues.

For more information, contact:

Brian Wilson
952-888-1625
beachboybrian@comcast.net

TCRC Auction February 6th

2009 is drawing to a close rapidly, and with the new year comes the biggest TCRC event of the year - the 34th Annual Auction.

Saturday, February 6th the TCRC Auction will be held at CrossPoint Church at the intersection of 98th Street and France Avenue in Bloomington.

This is the biggest R/C airplane auction in the upper Midwest, and is well attended by clubs and hobbyists from the surrounding states.

TCRCOnline.com should have pre-registration materials on the site within the next few weeks.

This is TCRC's biggest manpower (and womanpower) event of the year and the club needs the help of every member to make it be successful. Mark your calendar.

Start looking through all of your R/C stuff to determine what you need to sell, and what you need to buy. Be a buyer, a seller and a worker at the 2010 TCRC Auction on Saturday, February 6, 2010. **J**

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

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

All Season Flyers???



TCRC has a longstanding tradition of having 'all season flyers' in the club, but I don't think the tradition goes quite this far back! It does sort of look like the Jordan Field pit area in January or February however ☺

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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