



December

Minneapolis, Minnesota U.S.A.

2014

TCRC Banquet A Great Time For All In Attendance

by Corey Kaderlik

Another outstanding year at the TCRC Banquet with a large number of members and family present.



Fong's Restaurant has proven to be a perfect place to hold the TCRC Banquet, with lots of room and great food.
(Photo by Jim Lundquist)

The Banquet was held at Fong's in Prior Lake again this year due to all of the great feedback from the year before. Started around 5 pm with social hour, appetizers and drinks, with plenty of time to check out all the great prizes that were up for grabs later. Prizes consisted of large to small aircraft to gift certificates to wine and glassware baskets. There was also a slide show of the year in review. There were crossword

puzzles at the tables. Those that finished received a ticket to win a prize of their choice.

Later around 6 pm dinner was served buffet style. The cuisine at Fong's is fantastic and the choices on the buffet made it hard to not over eat.

After everyone had eaten their fill, president Bob Breisemeister. Presented the TCRC year in review, highlighting the many events and programs the club held in 2014.

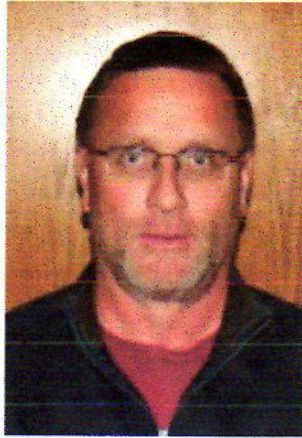
Bob then turned the podium over to Tim Wirtz and Corey Kaderlik to present the Walt Billet Award to that person who best personified the purpose of TCRC: *"To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes."* They then presented this prestigious award to president Bob Breisemeister.

After the club's business was concluded, next were the games to play. You could earn tickets to win more very nice prizes. Games included airplane dart board; stick the prop on the airplane, flying the hand thrown airplanes into a box. Everyone received a ticket for playing and more if you got closer to the designated area. After all that we played a few rounds of bingo to win more tickets. Once you won a ticket

Continued on Page 3, Col. 1

A Note from The Head Wing Nut

By Bob Briesemeister



Hello Members,

I hope that you had a Happy Thanksgiving and were able to spend some time with family and friends. The snow and cold weather came much sooner than expected and made November go by way too fast. December is here and Christmas is just around the corner.

At the November membership meeting the election was held for the 2015 appointments. I want to thank all the members for their support in the past year and for re-electing me. I hope that I, along with the board, can continue to make improvements to the club as well as recruiting new members. I specifically would like to thank board members Mike Robin and Jim Ronhovde for all their hard work. They both have decided to step down and not run for another term. These two along with the rest of the board's help, made my job as President easier and very enjoyable this past year.

The annual year-end banquet was held on November 15th. We had a good turnout with 48 people in attendance despite the snowy weather. We played a few flying games and bingo and fun was had by all. I hope we continue to see the banquet attendance grow each year. To my surprise I was awarded the 2014 Walt Billett Award. Being new to the hobby it was an honor to receive such an award... THANK YOU!!

I hope that all of you have marked your calendar for the February 7th, 2015 annual TCRC auction. It's coming faster than you think, only two months away! We are looking for someone to run the concession stand. If you are interested and would like to hear what this entails, please contact Corey Kaderlik or myself. In the past we have had a good turnout of volunteers but can always use more and more help. Remember this is our fundraiser and helps keep our dues low and helps to maintain our flying field.

All season flyers meet on the first Saturday of the month at the field. The 10/10/10 rule applies. Our field is open year round for flying so if the weather permits put some skis on your plane and get a few flights in over the winter.

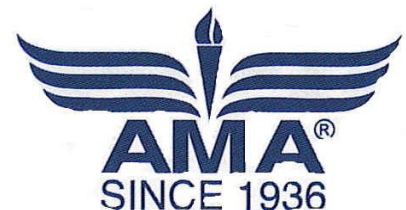
I had a call from Roger, our neighbor at the field, who informed me that someone has been running his dogs in the woods. Please have control of your dogs and keep them out of the woods. Roger leases this land to hunters and we don't want any accidents.

At this month's meeting we will have a Show & Tell and also a plane raffle. This month's prize will be a Hanger 9 Tango 40 ARF. This plane can be Nitro or Electric and retails at \$160.00. Good Luck!!

Wishing you and your family a very wonderful and safe holiday season. J

Calendar

Dec. 3	TCRC Joint Board Meeting 6:00 PM Mike Robin's Home
Dec. 9	TCRC Membership Meeting, 7:00 PM CrossPoint Church Bloomington
Dec. 25	Merry Christmas!
Jan. 1	Happy New Year!
Feb. 6	TCRC Auction Set-Up CrossPoint Church
Feb. 7	TCRC Auction CrossPoint Church Bloomington



TCRC Annual Banquet

Continued From Page 1

you could place it in the bowl in front of a particular prize you wanted to have, and if your ticket was drawn, you were the winner.

Next, everyone was instructed to stand up and if you had blue tape under your chair you won a \$25.00 gift certificate to Hobby Warehouse.

Finally after all of the games everyone was reminded to make sure their tickets were deposited in the proper buckets of the various prizes and the drawing were made. Lots of people went home with pretty nice smiles after the drawings.

A GOOD TIME WAS HAD BY ALL THAT ATTENDED! Thanks to everyone who worked hard in putting the banquet together and to all that chose to attend. The banquet has been growing each year now, and with all of the great comments heard after the 2014 edition, it will grow even bigger next year..... 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.



The Games At The TCRC Banquet Were A Lot Of Fun



Jonathon Erickson helps president Bob run the Bingo game at the TCRC Annual Banquet. (Photo by Jim Lundquist)

TCRC Year In Review



President Bob recaps the great year TCRC had in 2014. (Photo by Jon Perry)

Bob Breisemeister Receives TCRC's Walt Billett Award

Each year TCRC awards a person from the hobby who has best personified the purpose of the club: "To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes." This award was named for Walt Billett who was the proprietor of a hobby store in Minneapolis in the 50's. He was very active in the airplane hobby. The award has been given for almost as many years as TCRC has been in existence and it is a great honor to be named the recipient.



**Bob Breisemeister accepts the Walt Billett Award from previous winners Tim Wirtz and Corey Kaderlik at the TCRC banquet.
(Photo by Jim Lundquist)**

The Walt Billett Award committee consists of the previous three winners of the award, and it is that committee's task to select the next recipient. In 2014 the committee consisted of Tim Wirtz, Tim Len and Corey Kaderlik. Tim Len now resides in Florida so Tim and Corey were the main deliberators in the selection of the winner.

Bob has been president of TCRC for 2014 and was just re-elected to that position in the month of November. He has been very instrumental in the continued growth the club has been experiencing. His introduction of the Plane Raffle each month has been very well received. He has been a tireless participant in just about every event the club is involved in. The selection of Bob as the 2014 winner of the Walt Billett Award is

a well-deserved honor.
J

2015 AMA Dues Statements

All TCRC members should have received their 2015 dues statements in the mail in September from the Academy of Model Aeronautics.

AMA 2015 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.

Deadline for paying your 2015 AMA dues is December 15 to avoid a lapse in membership services. J

3rd Annual Ugly Plane Contest

The 3rd annual Ugly Plane Contest was held at the November 11th meeting, and although there were not lots of planes entered, there was still plenty of ugly.



Judge Sherwood Heggen pours over the entrants in the Ugly Plane Contest at the membership meeting. (Photo by Jim Cook)

Founder of the contest Sherwood Heggen explained the rules to the owners of the entrants -- that the plane must be flyable, and that it had to be capable of being deemed ugly.

Sherwood then put on his judge's cap and proceeded to inspect the planes that had been entered in this year's contest. After considerable deliberation he awarded the 2014 Ugly Plane traveling trophy to president Bob Breisemeister for his 'Ugly Trainer'.



Bob Breisemeister proudly accepts the Ugly Plane trophy.

Bob felt that the pictures of his trainer did not do the ugly justice.



The Ugly Plane trophy was appropriate for its purpose.

The Ugly Plane Traveling Trophy pictured above is to be further embellished each year by that year's winner.

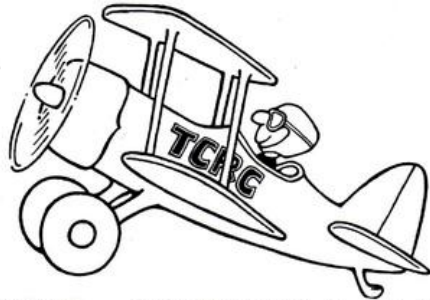
Thanks to Sherwood for inventing the contest and taking the time to act as judge for this year's event. J

TCRC Shirts & Hats For Sale

Treasurer Tim Wirtz has a number of TCRC logo shirts and hats for sale.

The T-shirts come in gray or tradition blue with the logo on the left chest. Sizes are L, XL and XXL. Cost is \$10.

The baseball caps are tradition blue with the TCRC logo and are also \$10. See Tim at a meeting to obtain club apparel. J



TCRC 39th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS - MINNEAPOLIS AMA CLUB #383

SATURDAY - February 7, 2015



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:

- \$4.00 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 aucion@tcrconline.com
More info at www.tcrconline.com



Veep's Corner

By Corey Kaderlik

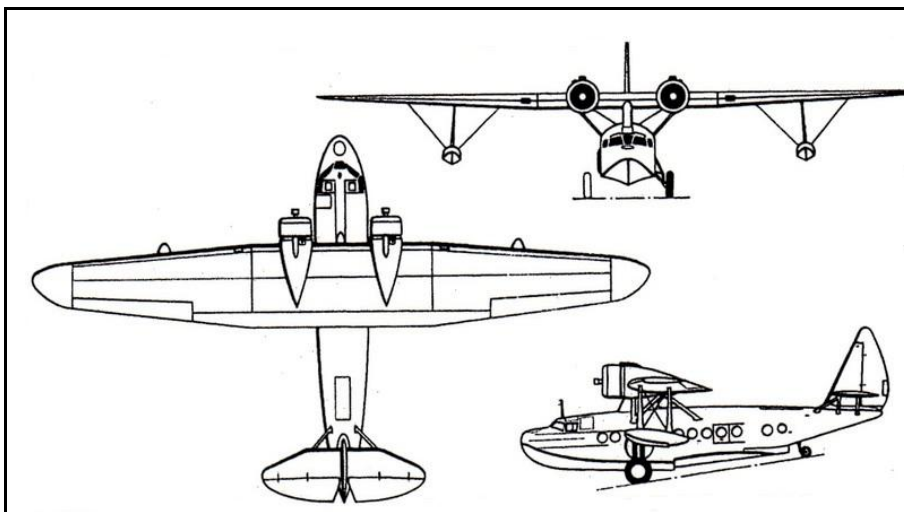
Thank you all for allowing me to be your VP this year.

I would like to take this opportunity to remind all of you that the TCRC auction is only two months away. The money made from the auction helps keep your yearly dues low and helps as we continue to make many more field improvements.

I am the chairman of the auction again this year so if you have any questions or concerns feel free to give me a call or see me at the meeting. Please if you have not done so inform me of what tasks you would like to perform or what area you would like to work in via email or phone.

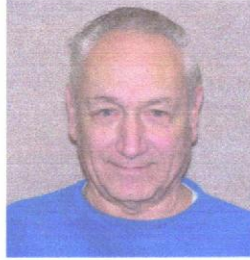
Sorry so short but I have been very busy with other involvements J

December Mystery Plane



Safety At The Field

By Larry Couture



Safety and Field Rules

Well here it is the new year is almost upon us and the winter flying season has arrived. I just want all of you to make sure that you dress properly for the cold weather as you can get frostbite in a very short time without proper clothing on.

One of the field rules that seems very obvious when one reads it is that all airplanes must have the name and address of its owner on before flying. If it should fly away and is found or does damage to property it can be returned to owner or damages settled without large problems for the hobby.

November Raffle Winner



Larry Couture became the first repeat winner of the TCRC Plane Raffle at the monthly membership meetings. He happily claimed the Multiplex Tucan Electric ARF after his number was drawn during the raffle.

The December raffle prize is a Hanger 9 Tango 40 ARF, which retails for \$160, but you can have it for only \$5 if your number is selected at the membership meeting. Chances are \$5/apiece and you may buy as many chances as you wish.

Some rules are just plain common sense such as flight checking your model before flight so that all controls are working and in the proper direction. I would ask at this time to hold up your hand if this has at any time happened to you -- You take off and up is down and right is left or any combination of improper control. I would see a lot of hands in the air and one would be mine. Now sometimes you're lucky and you land without total destruction of the plane, but other times not so lucky, and to think that a pre-flight check takes only a minute or two at best.

Last but not least -- I will close with a **PERSONAL CONDUCT VOW FOR ALL OF US:**

I will always conduct myself in a responsible manner. Conscious that the maintenance of safety for others and myself rests with my ability to design and construct sound working models and to enthusiastically abide by the AMA and Club Safety Codes. I will abide by the decisions and follow the instructions of any designated person in charge or control of the session or event.

Now I want to see all members at the upcoming auction on February 7th as it takes all of us to make the auction run smooooothly.

Enough said for this time , keep em flying and land with the rubber side down. **J**

**Safety Always
Comes First!**

J

2014 TCRC Elections

by Jim Cook

At the November 11th membership meeting, TCRC held its annual elections. At stake this year were all four of the officer positions plus one of the three board seats.



**The 2015 officers and board of TCRC pose for a picture after the elections at the November membership meeting.
(Photo by Jim Cook)**

For president, incumbent Bob Breisemeister was running again. After his name was placed in nomination and no further candidates came forward, the nominations were closed and Bob was re-elected president by acclamation.

For vice president incumbent Mike Robin was not running for re-election. Corey Kaderlik was nominated and when no further nominations were brought to the floor the nominations were closed. Corey was elected vice president by acclamation.

For secretary incumbent Jim Ronhovde was not running for re-election. Doug Elyea was nominated and when no additional nominations were presented, the nominations were closed. Doug was elected secretary by acclamation.

For treasurer incumbent Tim Wirtz was running again. After his name was placed in nomination and no further candidates came forward, the nominations were closed and Tim was re-elected treasurer by acclamation.

For the one board seat, incumbent Gerry Dunne was running for re-election. There were no further nominations and they were then closed. Gerry was re-elected by acclamation.

Gerry joins the other two board members, Larry Couture and Jim Lundquist on the board.

Thanks to all of the members who stepped up to run for office and thanks to all of the TCRC members who came to the meeting and exercised their right to vote. **J**

All Season Flyer

The intrepid pilots who make it a point to become an All Season Flyer will be starting their 2015 accomplishment in January.

To become an All Season Flyer a pilot must put at least one flight on an airplane outside in each month of a calendar year. In Minnesota, those December, January and February flights can be occur in some pretty cool weather.

Many TCRC'ers have qualified for this distinction several years in a row and take great pride when they earn their patches. The ASF pilots normally fly at the TCRC Jordan field on the first Saturday of each winter month.

The 10-10-10 rule will be in effect on those Saturdays. That is, if at 10 AM, the temperature is 10 degrees or above and the wind is 10 mph or below, the event will occur.

If you are interested in becoming an All Season Flyer in 2014, plan on joining the pilots for their January flights. **J**

TCRCOnline.com

A Plane That's A Car Who's Going To Model It First?

by Haylay Tsukayama, Washington Post

(Editor's Note: Below is the article as it appeared in the Washington Post. The obvious simple question for an R/C hobbyist is, "Who's Going To Be The First To Model It?")

Let's be honest: It's 2014, and the automotive industry has utterly disappointed a generation of science-fiction lovers and futurists. Where are our flying cars?



Stepping in the void is Terrafugia, which bills itself as ‘the flying car company.’ It has announced an upcoming model called the ‘Transition’, which sports foldable wings that let the vehicle go from car to plane in about 20 seconds with the flip of a switch. Talk about a convertible.

The upcoming Terrafugia Transition is not quite a flying Jetsons-esque car. The Terrafugia Transition is, more accurately, a plane you can drive rather than a car you can fly. That means you're not going to be able to hover away from a bad traffic jam.

But while it's unlikely that you'll see the plane/car combo replace the minivan, the company is trying to set an early standard for how regulators can deal with vehicles that operate both on the ground and in the air.

“It's a first practical step,” said Terrafugia chief executive Carl Dietrich. “It's what we can do today with today's existing infrastructure.”

From a regulation standpoint, Terrafugia has built in safety measures mandated by both the Federal Aviation Administration and the National Highway Traffic Safety Administration. So, for example, the Transition has both a parachute and airbags. To take care of the fact that it doesn't have a traditional rear windshield, the Transition has a camera in the back, allowing drivers to see what's behind them through a screen on the dash. No one wants to get into a lane-changing accident with a plane, after all. It also has all of the things you'd expect in a car, such as standard seatbelts and side-

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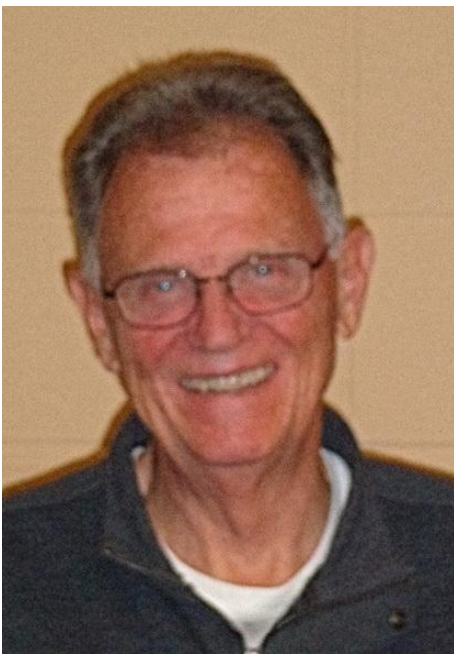
TCRC Membership Report

by **Bernie Gaub**
Membership Director

The final 2014 TCRC membership count is 123 members which includes 16 new members for the year. This represents a new high membership total for TCRC for all years starting since 1957.

The last two members to join were taking advantage of our late season membership opportunity (October through December) whereby they are 2014 as well as 2015 members with whole year TCRC membership credit for 2014.

New Members:



David Brady lives with his wife Joan at 103 E Pony Lane in Apple Valley 55124. Their phone

number is 952-452-7583 and his email address is bradyasap@gmail.com. David has about 5 years of flying experience and currently has several airplanes.

Rich Raming lives with his wife Ginna at 7240 Monardo Lane, Edina 55435. Their phone number is 952-922-1668 and his email address is richardraming@gmail.com. Rich is a newcomer to R/C but has a number of aircraft already.

When you see David and Rich at a meeting or the field be sure and introduce yourself and welcome them to TCRC. J

Terrafugia Flying Car

Continued From Page 9

view mirrors that can see around the massive wings when in car mode and can be removed altogether for flight.

Despite being street legal (with the wings up) the Transition is not exactly what you'd call a general purpose vehicle. To use both the flying and driving functions – and, if you're going to drop an anticipated \$279,000 on a vehicle, why wouldn't you? – you must have at least a sports pilot license.

You're also going to need a runway: The Transition still needs lots of room and a wide berth to take off, which it can do once it gets to a speed of about 70 mph. And that runway can't be just anywhere, because you can't just roll up to Reagan National Airport or Chicago's O'Hare and expect to

take off. You'll need to head instead to one of the nation's approximately 5,000 general aviation airports.

One thing you won't need, however, is a hanger. Wings folded, the Transition is roughly the size of a Cadillac Escalade or a Ford F-350, Terrafugia executives said. So it should fit in a standard single-car garage. It also runs on normal premium unleaded gasoline and gets roughly 35 miles to the gallon on the ground. In the air, it gets slightly less – about 20 miles to the gallon if you're flying at 100 mph.

The vehicle has a steering wheel for ground navigation, which pilot-drivers can then switch out for a steering stick in the air. It has four pedals on the ground – gas and brake pedals for driving and two rudder pedals for flying.

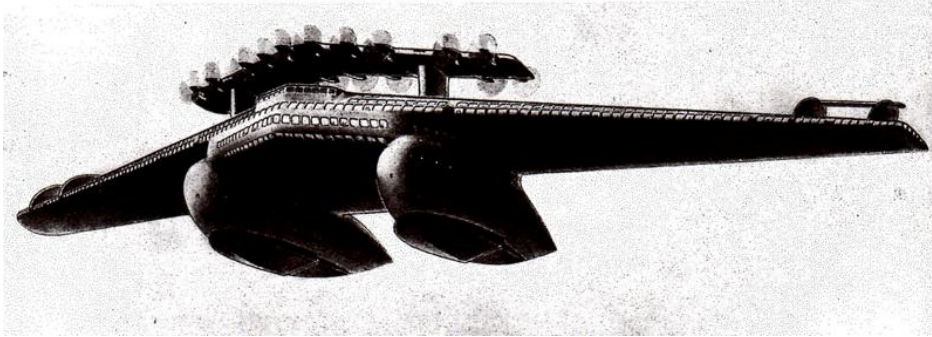
For the future, Terrafugia is planning a flying car that won't need a runway – but you'll have to wait a while. The development process alone for that model, called the TF-X, is expected to take 8 to 12 years. J



Bel Geddes Flying Boat

by Conrad Naegele

The November Mystery Plane was the Bel Geddes Flying Boat.



Think “Monte Python’s Flying Circus” and now for something completely different. This airplane was never built!

The brainchild of millionaire industrialist Norman Bel Geddes who pictured this plane as the answer to slow ocean going boats. On the eve of the 1929 Wall Street crash, Bel Geddes envisioned this gigantic flying boat. The design was fantastic, featuring a nearly 600-foot wingspan, 700 tons, propelled by twenty 1,900 horsepower engines. The plane was a tailless V-winged monoplaner, all metal, to carry 600 passengers, plus a crew of 155. The pontoons were 235-feet long, 60-feet high, and 104-feet apart.

The plane featured a 250-foot dining room, a sport and recreational deck, 4 tennis courts, a gymnasium, a fully-staffed hospital, and a barber shop. The main promenade, on the leading edge of the wing, 450-feet long, provided full length windows, with shatter-proof glass, with 2 coffee shops seating 90 people. There were a total of 9 decks, plus a huge solarium!

The plan was to use all twenty engines for takeoff and cruise on twelve, providing nearly 50% safety margin. The negative aspect was its 90 mph cruising speed, taking almost all day to cross the Atlantic (but still faster than the ocean liners). The plans were reviewed by several leading aeronautical engineers, who pronounced it flyable.

Now, today’s planes are rapidly approaching this plane’s goals. Consider the 747’s, the various Airbus’s, and the fantastic Antonov AN-225, with a takeoff weight of 1.3 million pounds! A note: Bel Geddes was the father of Barbara Bel Geddes, the mother of J.R. and Bobby Ewing on the famous TV serial “Dallas”. One question that occurs to me, is this a flying boat, or a float plane?

The Bel Geddes was to have a 528-foot wingspan, a gross weight of 1.4 million pounds, a speed of 90 mph and a range of 2,000 miles.

The engines were not known, but speced at 1,900 horsepower. I could find no such engines for 1929. A few examples were the Armstrong Siddely Leopard at 1,000 horsepower, and the Rolls Royce 24-cylinder Vulture at 1,845 horsepower, but that was an inline engine! The large radials did not appear until the early to mid-30’s. J

THE TCRC FLARE OUT Monthly Newsletter



TWIN CITY RADIO CONTROLLERS INC.

Purpose: To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes.

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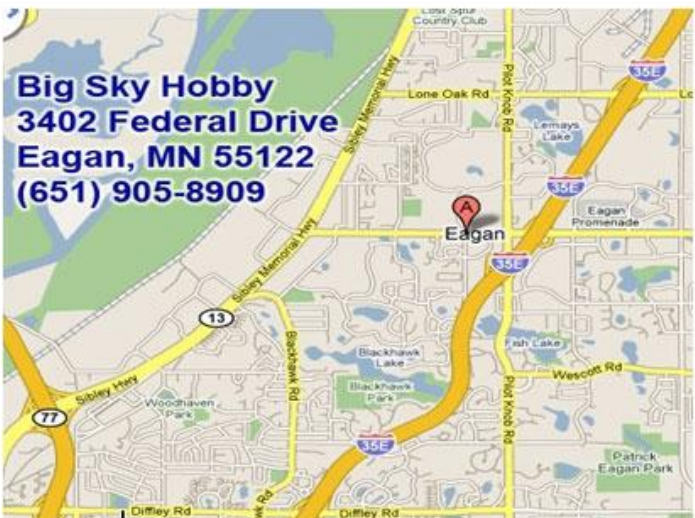
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