



January

Minneapolis, Minnesota U.S.A.

2012

TCRC Annual Auction Saturday February 11th

by Jim Cook

TCRC's 36th Annual Auction will be held on Saturday, February 11th at CrossPoint Church in Bloomington, Minnesota. This is the upper Midwest's largest R/C auction and hobbyists from Minnesota and its surrounding states show up in force to buy and sell some really great R/C airplanes and the supporting accessories.

This is TCRC's biggest manpower (and woman power) event of the year. The club needs the help of every member and quite a few spouses to make it a success. Help is needed in set-up, bidder registration, seller registration, the impound area, concessions, record keeping, flow of items to and from the auction stage, spotters, security and clean-up.

TCRC has moved its February meeting to Tuesday, February 7th so that the meeting can be used as a final planning and preparation session prior to the auction on the next Saturday.

In addition, TCRC has scheduled a set-up work session at CrossPoint Church starting at 5:00 PM on Friday, February 10th.

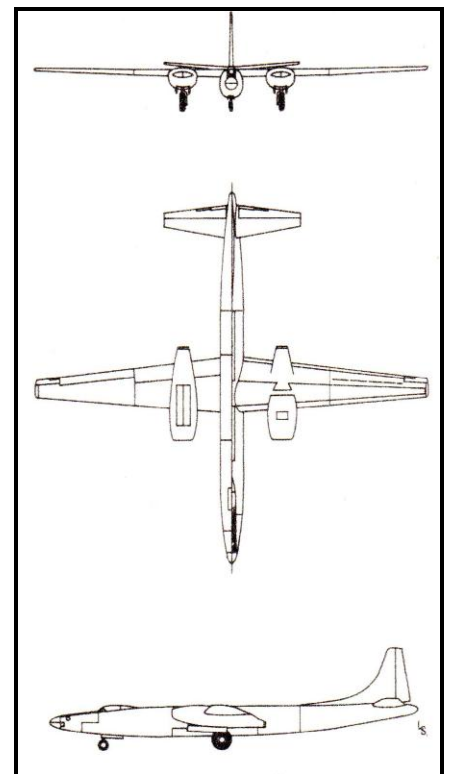
For those members who have items to sell at the auction, webmaster Pat Dziuk has set up a pre-registration area on TCRCOnline.com to make it easier to register and to save time on the morning of the auction. (See article on page x of this newsletter for further details). Remember that the club has a \$20 minimum opening bid, so sellers should bundle smaller items to make sure that every item coming to the auction block will receive an opening bid.

Because this event attracts so many people, it is very important that TCRC club members park their cars in the Normandale College parking lot that is kitty-corner across France Avenue and 98th Street. Members

will set up some kind of shuttle service so that TCRC'ers do not have to walk that distance.

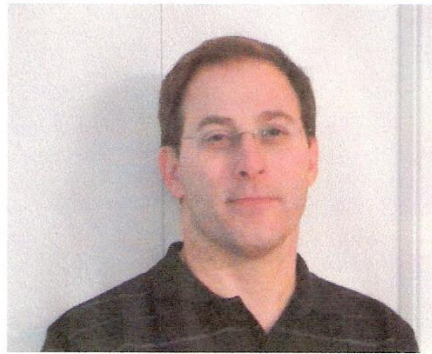
Members should take a look at their R/C planes and equipment and determine what they need to sell and what they need to buy and get ready for the TCRC Annual Auction on Saturday, February 11th at CrossPoint Church in Bloomington, Minnesota. **J**

January Mystery Plane



From The Flight Deck

By President Tim Len



Hi Everyone!

Welcome to January 2012, as we move into the New Year our club has a lot to look forward to, we are continuing to get new members, and we have a great calendar lined up for this year with several flying events scheduled. So keep your eyes on the TCRC website for upcoming events so you don't miss out on the fun.

Well it's been a year now since I was elected as president of TCRC and then reelected for the calendar year of 2012. This position has presented itself with a number of challenges and interesting things. All of which, I have had the chance to learn from and have welcomed with open arms. I look forward to another year at this position and would like to thank all of you, the members, for this. Without you, I would not have had this opportunity. Again, thank you as I do appreciate it.

Remember that our vice president, Chris O'Connor, will be continuing the TCRC tradition of presenting some great programs at the monthly membership meetings, as he did last month with his clockwise and counterclockwise pattern at the field presentation.

I'm looking forward to hearing and seeing some of those winter projects. Everything from building, fixing, modifying or just getting them ready for the new year of flying. Don't forget to share you projects with everyone at our monthly meeting.

Keep your eyes open, the NPRM is just around the corner from coming out for comment. Remember there may be some items in there that could affect all of us in the hobby.

Our biggest event of the year is next month -- the TCRC Annual Auction. It is scheduled for Saturday, February 11th at CrossPoint Church. This is the event where we need all of our members to be there and work to make it flow smoothly. We have moved our February regular meeting up one week to February 7th so that we can do some final prep for the auction that is the next Saturday. Let's have another great turn out.

I look forward to seeing all of you at the January 10th monthly meeting. Build, Fly and Have Fun! J



VP Chris O'Connor diagrams flight patterns for the Jordan field at the December meeting. (Photo by Tim Len)

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.



TCRC 2012 Event Schedule

<u>Date</u>	<u>Event</u>	<u>Description</u>
January 7, 2012	2012 All Season Flyer Kick-Off Event	@TCRC Model Air Park (10-10-10 Rules)
January 10, 2012	Membership Meeting - Show & Tell	7pm Cross Point Church, Bloomington
January 20, 2012	1st Quarter BOD Meeting - Auction Plan	7pm - Gerry Dunne's House
February 4, 2012	All Season Flyer	@TCRC Model Air Park (10-10-10 Rules)
February 7, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
February 10, 2012	Auction Set-up	5pm Cross Point Church
February 11, 2012	2012 TCRC 36th Annual Auction	7am-5pm Cross Point Church
March 3, 2012	End of Winter Fun Fly!	@TCRC Model Air Park (10-10-10 Rules)
March 13, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
April 1, 2012	April Fool Fun Fly	@TCRC Model Air Park (10-10-10 Rules)
April 10, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
April 27, 2012	2nd Quarter BOD Meeting	7pm - Gerry Dunne's House
May 8, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
May 12, 2012	TCRC Model Air Park Clean-Up & Fly-In	@TCRC Model Air Park
May 19, 2012	SPRING Float Fly (Open)	Bush Lake Beach, Bloomington
June 2, 2012	Building Contest	@TCRC Model Air Park
June 12, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
June 16, 2012	Electric Fly-In & Camp Out (Open)	@TCRC Model Air Park
July 10, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
July 14-15, 2012	AirExpo-2012 Club Display	Flying Cloud Airport
July 21, 2012	BIG BIRD Fly-In (Open)	@TCRC Model Air Park
July 27, 2012	3rd Quarter BOD Meeting	7pm - Gerry Dunne's House
August 10-11-12	Wisconsin Fun Fly	Siren/Birchwood WI, Bill Sachs & Jim Cook
August 10-11-12	Northern Alliance Military Fly-In	Owatonna, MN
August 14, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
August 25, 2012	Model Aviation Day (Open)	@TCRC Model Air Park
September 11, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
September 15, 2012	Fall Float Fly (Open)	Bush Lake Beach, Bloomington
September 22, 2012	Scale Fly-In & Campout (Open)	@TCRC Model Air Park
October 9, 2012	Membership Meeting	7pm Cross Point Church, Bloomington
October 13, 2012	Season Finale	@TCRC Model Air Park
November 13, 2012	Membership Meeting - Elections	7pm Cross Point Church, Bloomington
November 17, 2012	TCRC Banquet - Awards	5pm - Location TBD
December 7, 2012	4th Quarter Joint BOD Meeting	7pm - Gerry Dunne's House
December 8, 2012	All Season Flyers Finale	@TCRC Model Air Park (10-10-10 Rules)
December 11, 2012	Membership Meeting	7pm Cross Point Church, Bloomington

Flying In The Mall Of America Dome Tons Of Fun

by Scott Anderson

For several years now MARCEE has obtained the rights to fly small electric airplanes in the Metrodome, aka MOA Dome. For those of you who have done this, it is really a treat to be able to soar over the Vikings home field with your favorite electric aircraft.



Two planes soar high over the Viking field after Christmas.
(Photo by Scott Anderson)



Curtis Beaumont and son Lawrence fly in the Dome via buddy box.
(Photo by Scott Anderson)

After Christmas I took a few trips to the Dome for some indoor flying. Around noon on each day the crowd grew to about 30 pilots, and all with very interesting planes. At the busiest time we had as many as 15 airplanes in the air at once. This congestion caused the demise of my nice electric Corsair when it had a mid-air with another plane. The repairable damage is shown in the photo below.



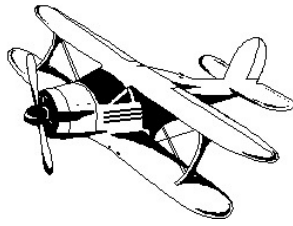
Luckily for me I never go anywhere with just one plane and also put some flights on my tiny-scale J-3 Cub shown below.



Curtis Beaumont used the Dome flying as a chance to give his 3-1/2 year old son Lawrence some stick time via buddy box. There were lots of kids in the 7 to 11 age range flying with their relatives.

As of press time, December signaled the end of Dome flying for this season, unless MARCEE can obtain more air time. Thanks to MARCEE and the MOA Dome for allowing the R/C flying. **J**

Show & Tell



by Tim Len

More neat planes at the December meeting.



Gerry Dunne had a nice looking Electrify Rifle ARF at the meeting. It had a 31-inch wingspan and weighed in at 19 ounces. The power plant was a Hobby King 2445 1320 KV motor swinging a 5 x 4.5 prop. It had a 25 amp Turnigy ESC and used a 1500 Mah lipo battery.



Bernie Gaub had a Pilot QB 15 electric that was done in red fuse with white wing and black tail. The

plane had a 42-inch wingspan. The plane was set up for 3 channels and should be a very nice flying aircraft.



Mike Burk had a Nitroplanes RC Drone, which was done in military camouflage and had a wingspan of 60-inches. It was a V-tail and a pusher, was powered by an electric motor 38x42 mm and was swinging a 2-blade 11 x6 prop. ☺

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Stop In Today To Find Out 'The TCRC Special Of The Month'

Let's See Lots Of New Aircraft At Show & Tell January 10th

Auction Seller Registration Online

by Pat Dziuk

Happy New Year TCRC Members!

The Twin City Radio Controllars 36th annual auction is just around the corner. This year it will be held at Cross Point Church, 9801 France Avenue South in Bloomington on Saturday February 11th.

You can register for a seller's number online again this year allowing you to fill out your seller's inventory card and label your items in the comfort of your warm home instead of freezing in the parking lot the morning of the auction.

To register please send an email to auktion@tcrconline.com with your name, address and phone number requesting a seller's number. You can find full details including the seller's inventory card at:

http://www.tcrconline.com/pages/auktion_seller_registration.htm

General information at:

<http://www.tcrconline.com/pages/auktion.htm> and <http://www.tcrconline.com>

I hope to see you at the auction on Saturday February 11th, and please feel free to forward this on to your fellow modelers at other clubs. J

TCRC Dues Renewal

At the December 2nd TCRC Joint Board Meeting, after careful consideration, the TCRC board approved a modest dues increase for the purpose of funding future runway improvements:

- Regular \$85.00
- Junior \$42.50
- Social Affiliate \$30.00

Dues payments are due on January 1, 2012. **An early renewal rate of \$60 for regular members or \$30 for junior applies if renewal payments are mailed to the TCRC treasurer and are post marked by January 14, 2012.** The early renewal rate is obviously a great savings!

Payments after January 14th will be at the full 2012 amount.

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 Tim Wirtz at a meeting or by mailing them to Tim at:

Tim Wirtz
2422 Downing Avenue
Shakopee, MN 55379

The TCRC board also increased the initiation fee for new members or members who had not paid their dues for the previous year. The initiation fee is now \$75.

Take the time to pay your 2012 TCRC dues today and secure your discount. J

2012 AMA Dues Statements

All TCRC members should have received their 2012 dues statements in the mail by now from the Academy of Model Aeronautics.

AMA 2012 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 2012 AMA dues is December 15 to avoid a lapse in membership services. J

Veep's Corner

By Chris O'Connor



The holidays are almost over, hopefully everyone received what they were looking for.

At the last meeting our program was focusing on safety procedures at the field. I think it is good to keep that idea in the forefront. Safety has to be one of our most important concerns. Flying our airplanes will always present some sort of risk. The main objective is to minimize that risk as much as possible. Following set guidelines and flying in designated areas is one of the ways to minimize the risk. We can also make sure that our planes and equipment are in excellent working order. Another way is to constantly try to improve our flying skills by challenging ourselves to do better. Remember we are flying our planes, don't let them fly us. The most basic skills include straight and level flight, maintaining altitude in turns, and maintaining heading in maneuvers. Don't be afraid to try that loop or roll. Make your maneuvers as big as possible.

Over the Christmas holiday I had the opportunity to visit another flying field. I was in Phoenix, and on [Christmas eve](#) morning we went to the Speedworld RC Club field. Very close to where I was staying. They had a runway 75 feet wide and 750 feet long. There were 7-8 guys out there flying by 10 AM. The whole complex has a racetrack for full size cars, BMX dirt track, a motocross track, and an RC car track. They boast no noise issues out there. They were very welcoming to Mike and me, and glad that we came to visit. They have about the same dues as we do, and about three times the rules. One that stood out to me was when multiple planes are in the air flying a pattern and someone decides to not follow that pattern, and causes a midair or head on collision that person is financially responsible to replace the plane he or she damaged, or lose flying privileges.

One last thing I ask you to think about is what is your dream plane and why haven't you started to pursue building it!

Don't forget our annual auction is next month on February 11th. We will need all of you club members to be there and help make it another great event.

Enjoy this great hobby to the max!

J

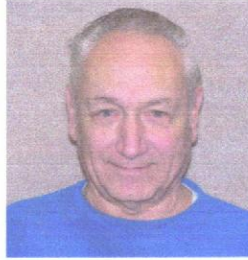
Calendar

Jan. 1	Happy New Year
Jan. 7	All Season Flyer 2012 Kick Off Jordan Field 10-10-10 Rule
Jan. 10	Membership Meeting, 7:00 PM Fellowship Hall CrossPoint Church Bloomington
Jan. 14	Deadline To Pay TCRC Dues At Discounted Price
Jan. 20	1 st Qtr. Board Meeting Auction Planning Session
Feb. 4	All Season Flyer Jordan Field 10-10-10 Rule
Feb. 7	Membership Meeting, 7:00 PM Auction Planning CrossPoint Church Bloomington
Feb. 10	Auction Set Up 5:00 PM CrossPoint Church
Feb. 11	TCRC Auction 7:00 AM to 5:00 PM Cross Point Church

**Be A Worker, A
Buyer And A
Seller At The
TCRC Auction**

Safety At The Field

By Larry Couture



This is an article by Charles Spencer, I.M.A.A. National Safety Officer addressing the function of a spotter during flight:

The students had been practicing all summer on the simulator so they were itching to get in the air. When we got to the field, I told one of the students to act as spotter. He looked at me and said, "What do I do?" I then had to explain to both of them what the duties of the spotter were.

As it turns out, I've received some requests asking the same questions regarding the spotter duties as my student asked. So, let me try to explain what I could find as far as the AMA and IMAA rules say about spotters.

First, let's go to the AMA (Academy Model Aeronautics) National Model Aircraft Safety Code.

Part A, General section 2b states "See and avoid all aircraft and a spotter must be used when appropriate. (AMA document #5400 See and Avoid Guidance.) This document pertains to model aircraft and manned aircraft.

AMA document #5400 See and Avoid Guidance General section A1 "The primary means to avoid collisions between aircraft flying within our National Airspace System (NAS) "See and Avoid"." In this instance, who is doing the seeing? Hopefully, the spotter.

Section B1 Spotters "Before a flight, the pilot must insure that the spotter understands his/her duties and expectations".

Section B2 states that a spotter must be in use whenever there is a possibility of manned aircraft in use in the area of your flight.

Section B3 states "A spotter should also be prepared to assist his/her pilot in the event that another model aircraft or spectators become endangered or in turn are perceived to be a danger to the pilot's model aircraft".

The current IMAA Safety Code states Section 4.0 Spotter/Helper 4.1 Spotter/Helper definition: An assistant to aid the pilot during start-up, and taxing onto the runway. The spotter/helper will assist the pilot in completing a safe flight.

4.2 Each pilot is required to have a spotter/ helper at all IMAA sanctioned events. The event Safety Committee should be prepared to assist those pilots who do not have a spotter/helper to make sure that every registered pilot has the opportunity to fly at a sanctioned event.

An article written by Jim Malek and Don Zepp published on the website of the Imperial RC Club in Florida states a lot of the ideas we should be thinking about for our spotters. I was also given ideas from

Roly Worsfold from the Northwest Scale Aero-Modelers Thanks for your input.

A good model aircraft spotter does not have to be a flier. They can be a spouse, boyfriend, girlfriend, or an interested friend. They should, however have some training and knowledge about model aircraft and the field at which they are flying. Those items go along with their responsibility.

1. Good spotters begin their duties as they approach the pilot's aircraft. They are not to be distracted by phones, texting or other people. They observe the fueling ports for security, backed out screws, hatch security, proper frequency pin etc. (unless it's 2.4, no pin needed), and alert the pilot to anything that's not right or needs attention before startup. The spotter will also at this time take note of how many aircraft are in the pattern and of what type.

2. During start-up, the spotters will usually restrain the aircraft even if there is a mechanical restraint. They clear downwind of the propeller prop wash, and warn any people standing in the propeller arc to stand back.

3. After the aircraft is started, they observe the functional check of all control surfaces for proper deflections and make sure the antenna is up. The spotter may also walk with the pilot (restraining it) as it taxis to the runway.

4. The spotter checks the runway, departure end, crosswind, downwind, and base legs for traffic prior to calling "taxiing out" and "takeoff" advising the pilot of where his plane is in relation to the others in the air.

5. After take off the pilot will feed the spotter information about his intentions, i.e., do a loop, roll, stall turn etc. The spotter's job is to let the pilot know if he/she has enough room to perform the desired maneuver. The spotter keeps feeding the pilot traffic information about the traffic pattern until time to land or to perform another maneuver. It is the

Continued On page 9, Col. 1

Spotters

Continued From Page 8

spotter's job to make sure all other pilots and the Line Boss hears and responds to communications. The spotter should watch and inform the pilot if another aircraft is on a collision course with the pilot.

6. When it comes time to land the pilot will let the spotter know and it's up to the spotter to advise the pilot where the aircraft is in relation to landing approach obstacles and the runway itself and to let the "Line Boss" and the other pilots know the plane is landing. The Line Boss is the Event Safety Officer in charge of the runway. He will let the spotters know if they have broken a rule, or will give the go ahead to take off or land. Before landing, they call out "landing", and make sure the runway is clear. After landing the spotter's job is not done. They check the final leg as the pilot taxis off, alerting the pilot of other aircraft landing or taxiing out.

7. After landing, the spotter's job usually is to retrieve the aircraft while the pilot is putting his radio back in the impound.

8. From the time the spotters are on the flightline until the engine is shut down and the aircraft is removed from the flight line, the spotters must always be alert to their surroundings.

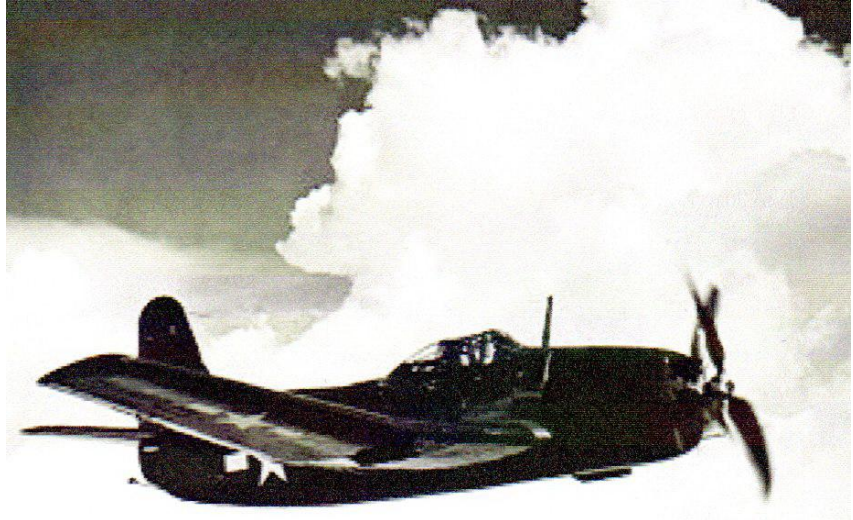
To put it all in a nutshell:

- A. The spotter helps start the aircraft.
- B. Gets approval from the Line Boss prior to taxiing out to the runway.
- C. Communicates to the pilot and other pilots about maneuvers.
- D. Guides pilot out of harm's way in the event of a collision course.
- E. Assists the pilot during landing and shut down.

Curtiss XBC-2

by Conrad Naegele

The December Mystery plane was the Curtiss XBC-2.



This rather odd fighter started out in 1943 with some potential, but unfortunately was in competition with two or three other established companies – Lockheed, Martin and Grumman. Now, at the outset of the war, neither the aircraft companies nor the military knew how long the war would last. In late 1943, the Curtiss Company received an order for a single-seat torpedo/bomber/fighter aircraft. One engine available was the Pratt & Whitney R-4360 28-cylinder radial.

Designated XBC-1, it proved to be a clean looking low-wing monoplane, with considerable dihedral on the outer wing panels, and a retractable tail wheel. The prototype (model 96) was rated at 450 mph. Before its first flight, a major engine problem required substitution of a Wright R 3350 with considerably less horsepower, with model 2 now much slower. Designated XBC-2, each model had entirely different wings. One a conventional wing, and one with full length duplex flaps. With the R 4360, with about 3,500 horsepower available weight was high. Both planes were capable of carrying a torpedo.

As it turns out, Curtiss lost out to Douglas, and their legendary AD-1 Skyraider, which stayed in service until well into the Vietnam War. Only two models of the XBC were built, both crashed in 1947.

The XBC had a wingspan of 50 feet, a gross weight of 19,000 pounds, a range of 1,245 miles and carried 2-20 mm cannon and one torpedo for armament. **J**

I hope this has answered some of your questions about the duties of a spotter. Have a great winter building season and hope the weather allows you a lot of flying time.

Keep Flying!

J



Academy of Model Aeronautics
5161 E. Memorial Dr. Muncie IN 47302 • www.modelaircraft.org • Tel: (800) 435-9262
MEDIA RELEASE

November 21, 2011
Contact: Chris Brooks, APR
765-287-1256, ext 276
chrisb@modelaircraft.org

Academy elects new president, Bob Brown, to lead AMA

MUNCIE- The membership of the Academy of Model Aeronautics has concluded its balloting for president, executive vice president and three district vice presidents, electing Bob Brown of Bradford PA as the leader of the AMA's 143,000 members and 2,400 clubs.

The newly elected executive vice president is Gary Fitch of Franklinville NY. The new district vice presidents include Tim Jesky of Monroe MI for District VII, serving Michigan, Wisconsin, Minnesota and Iowa; Mike Mosbrooker of Oak Harbor WA for District XI, serving Washington, Oregon, Idaho, Montana and Alaska. All are three-year terms. Districts II and III vice president replacements for Fitch and Brown will be nominated and installed per AMA bylaws to serve until the next scheduled election.

"I will endeavor to earn the support of all our members," said Brown, who assumes the presidency immediately because it was vacated earlier this year by current AMA Executive Director Dave Mathewson. "It's a high honor. I look to continue the governing philosophy and success Dave had as president. There is much to do in 2012, so it's time for all of us in AMA leadership to roll up our sleeves and bring increased value to AMA membership."

On the Academy's near-term agenda are pending federal regulations affecting aeromodeling, something that has been in the works for more than three years and looks to be coming to a conclusion in the next few months. On the positive side, AMA has seen decreasing momentum in its nine-year membership slide with thousands of new youth members, bringing overall membership to 143,201, a rise from the previous membership year.

Fitch takes over the executive vice president position beginning in 2012 from Mark Smith of Arkansas, who had filled in for Mathewson after his transition to AMA staff leader in April. Jesky and Mosbrooker are new members to the Executive Council.

The Academy's mission is to protect and promote aeromodeling as the collective voice for the hobby and sport in the U.S. Founded in 1936, the AMA celebrates its 75th year in 2011.

New Members

Three new members joined TCRC at the end of 2011.

Kevin McNamara lives with his wife Patti at 945 Bridle Creek Drive in Jordan, 55352. Their phone number is 952-452-7745 and his email address is kmcnamara@frontier.com. Kevin has been flying for 3 years and currently has a P-51 Mustang.

Robert Briesemeister lives with his wife Jayne live at 10420 Aquila Circle, Bloomington. Their phone number is 952-828-0859 and his email address is mrbriese@aol.com. Robert is new to the hobby and is learning R/C on various trainers.

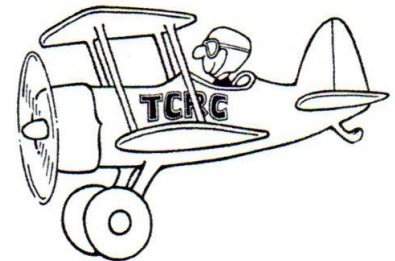
Kelsey Erickson lives at 1954 Siefert Street in Chaska, 55318. His phone number is 952-292-9378 and his email address is kelsey414@gmail.com. Kelsey has several planes including an EDF Foam Jet and a Piper Cub.

When you see Robert and Kelsey at a meeting or the field be sure and introduce yourself and welcome them to TCRC



AMA CLUB #383

CROSS POINT CHURCH
9801 FRANCE AVENUE SOUTH
BLOOMINGTON, MINNESOTA

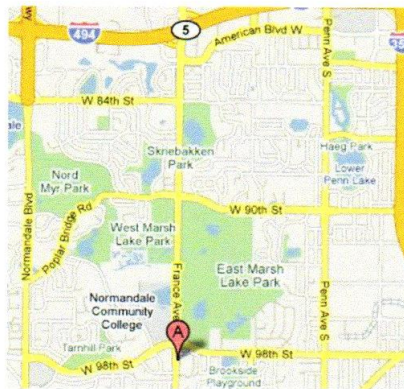


TCRC 36th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS – MINNEAPOLIS, MN

SATURDAY, FEBRUARY 11, 2012

WWW.TCRCONLINE.COM



Raffle & Concessions!

- Hot Coffee & Donuts
- Soda/Pop
- Hot Dogs & Chips
- No food or drink in the bidding area

What's for Sale?

- R/C Airplanes, Kits, Engines & Radio Systems
- R/C Aircraft related stuff & support equipment
- NO Cars/Boats
- NO Unrelated Stuff

When:

Registration Begins @ 8:00 am
Auction Begins @ 9:30am

Details:

- \$3.00 Admission: includes Bidder's Card
- \$20.00 Minimum Opening Bid. 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 @ 10% up to a maximum fee of \$20

Questions?

- E-mail: Auction@TCRCOnline.com
- Call Jim 952-445-5257 or Scott 952-934-1471
- MORE info at www.TCRCOnline.com

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@ Flare Out Publisher
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Shakopee, Minnesota 55379

Long, Long Time TCRC Member



At the December 13th membership meeting Scott Anderson presented Ken Duncan with his patch denoting 45 years of service in the TCRC club. Ken's father was also a member of TCRC as were his two brothers. (Photo by Tim Len)

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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