



May Minneapolis, Minnesota U.S.A. 2019

Programs At The TCRC Membership Meetings Have Been Really Great!

Vice president Chris O'Connor is responsible for providing interesting programs at the monthly TCRC membership meetings. He has done a great job with that responsibility.

The April meeting was a presentation on R/C float flying, and Chris had several members bring float planes for the program.



Chris O'Connor with two of his ARF electric float planes at the TCRC meeting. (Photo by Jim Cook)

Chris provided every member in attendance with a 5-page handout on 'R/C Float Plane Basics'. The handout covered such topics as: What makes a good float plane?; What floats to use?; What size floats?;

Critical aspects of installation; Position of the step; Float spacing; Mounting angle; Power requirements; and Is flying a float plane hard?

During his program, he called upon other members to share their knowledge and experiences in float flying.

It was no accident that Chris scheduled Float Flying as the topic for the April meeting. He was looking forward to May 11th when the TCRC Spring Float Fly will be held at Bush Lake Park in Bloomington, Minnesota.

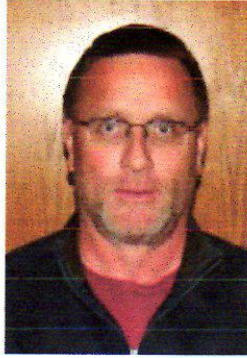
His final comments were that now that you know how to build and fly an R/C float plane, there is no reason why you won't be at the TCRC Spring Float Fly on May 11th!

Thanks, Chris, for another great program! J



A Note from The Head Wing Nut

By Bob Briesemeister



TCRC Members

Happy May Day! Despite the April showers the water has receded from 31 feet to under 27 feet and according to the weather service it will slowly keep going down. Keep your fingers crossed. As you might guess, the field clean up that was scheduled for this weekend will be postponed until a later date. When we schedule the new date, we will need everyone's help and hopefully we will only have to do it one time this season.

The Scott Fairgrounds is open for flying. I know that there have been some people making good use of it on the few good flying days that we have had this spring. Remember the same rules apply when flying there or Stocker field including being an AMA and club member. You can have AMA members as guests but only for 3 times then they must join TCRC. Shall I say you must pay to play.

May 11th brings the TCRC Spring Float Fly at Bush Lake Beach in Bloomington. There will be a pilot's meeting around 10 am and flying will start soon after going until 2 or 3 pm. Bring a plane or just come out and watch and swap stories with other members. If you have any questions, contact Steve Meyer or myself.

The May 14th membership meeting brings the Building Contest. Bring that project that you have been working on this winter and possibly win a prize. I believe there are 3 categories: Scale, Non- Scale and People's Choice. If you have any questions, contact Chris O'Conner.

The board has talked about buying a 20-foot container instead of adding on to the existing shed for the tractor. It was brought up at the last membership meeting and the members in attendance agreed it would be a good idea. This way the pull behind lawn mower can be left on the tractor and stored inside as one item instead of removing the mower after mowing each time. There will also be room to store other items in the container and should be a little more critter proof.

We will need people to sign up to mow both at the Fairgrounds and Stocker if needed. Of course, we will also need mowing done at the

TCRC field after the water is gone. The mowing schedule is published in this newsletter. Please sign up.

The plan is to hold our events at the Scott County Fairgrounds if we are not able to have them at the TCRC flying field. The first would be the Electric Fun Fly in June. This would also include the membership meeting in June, July, August and September. Make sure to check out the website and emails which will contain updates.

We will see you at the next meeting. **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.

2019 Officers

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Former TCRC Member Scott Gerber Passes Away

by Jim Cook



Scott Gerber is third from the left in this picture taken at the Toledo AirExpo in 2017. Pictured with him are Scott Anderson and his brother, and Jim Cook.

Scott Gerber, a former TCRC member passed away in early April. Scott's wife, Leslie called me from Missouri and told me the sad news that Scott had passed away. Scott and I were very close. I had flown to Indianapolis on April 7th where he had just arrived from his home in Missouri. We then drove another four hours to Toledo, Ohio, to attend the Toledo AirExpo, which is the biggest gathering of R/C hobbyists in the country. The four-hour trip to Toledo with Scott seemed more like 10 minutes as we talked and talked about everything in our lives.

We spent three days at the Expo, having a wonderful time. Sunday morning, we drove back to Indy where Scott dropped me off for my flight to Minneapolis. We both commented that this trip to Toledo (we have done it many times) was by far the most enjoyable we had ever had, and we were already thinking about the next trip.

I met Scott when he joined our flying club more than 25 years ago. I was his instructor and he actually soloed under my tutelage. We remained close when he moved to Scottsdale, Arizona and Mary and I visited he and Leslie at their home. When he moved to Missouri we started getting together at Toledo and continued that tradition into the present.

Scott was about nine years younger than me, and I was not aware of any health issues.

Please join Mary and I in sending our heartfelt sympathies to Leslie, and their daughter Nicole.

Scott Coyer

May 1, 1962 – April 29, 2019

by Gerry Dunne



TCRC member Scott Coyer passed away on Monday, April 29th at Methodist Hospital in St. Louis Park.

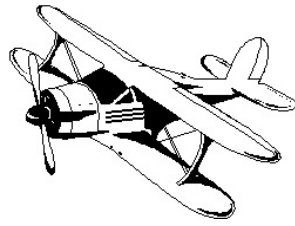
I met Scott at what we commonly call the dog park in West Bloomington. At the time he flew helicopters and I flew airplanes, and as fellow RC pilots we hit it off right away.

He was a great guy to talk to, and very informative of what the RC world was doing. He joined TCRC in 2014 and we flew together quite often. He would attend the TCRC banquets and he and wife Jelene would always sit with Lisa and I.

Scott had a very positive and outgoing attitude and made friends everywhere he went.

Please join me in sending our deepest sympathies to Jelene, his daughter Andrea and grandson Paxton.

Show & Tell



Some nice planes showed up at the April membership meeting.



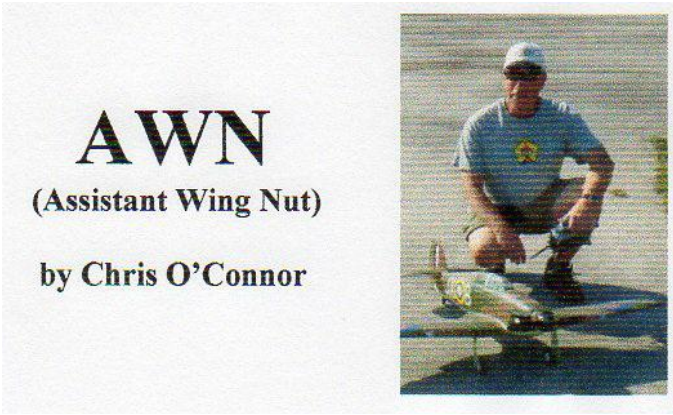
Sherwood Heggen had a gorgeous Skybolt biplane done up in traditional Skybolt colors of red, white and blue with stars. This plane had been found framed up in a barn in Wisconsin. Sherwood worked his magic on the plane covering it with Ultrakote, with Steve Meyer furnishing the star graphics. It is powered by a DLE 55 swinging a 22x8 prop. It weighed in at 21 pounds, including a smoke system. As of the meeting, it had not had its maiden flight.



Scott Anderson had a 1/12th-scale Brewster Buffalo F2A ARF from Hobby King. It was done in US Navy blue with wing stars. The Buffalo had a 36-inch wingspan and weighed in at 13 ounces without its battery, which was a 3-cell 2500 mah electric. As of the meeting it had not flown, but Scott showed up in a picture on Facebook with the Buffalo and stated that it flew well. J



It's time to sign up on the mowing schedule for the Jordan Model Air Park. See the sign up sheet on page 6 and sign up today. J



Calendar

The month of May starts what seems to be the summer flying season. So, our first event will be the first of two float flys of the season at Bush Lake on May 11th. Flying off of floats is an exciting and completely different experience than flying off of wheels. One of the neatest things to watch is the water trailing off the back of the floats just after takeoff. Seeing the ripples and waves that are left behind is kind of relaxing. Also, the satisfaction of watching the floats as they keep getting closer and closer to the water, then finally touching down and becoming that part of the plane that keeps it afloat. Very exciting indeed. Hope to see many of you at the event. Steve Meyer does a great job of putting together and running the float fly. Make sure if you have a float plane to come and participate, it's very rewarding. If you don't have a float plane, you still have time to put floats on one of your planes and give it a try. And even if you don't get around to having a float plane ready, come on down and watch some pretty neat flying off of water.

Our next club event after the spring float fly will be the annual building contest. The May meeting will be where this contest is taking place. This has been happening for at least the last 30 years. A great tradition and one that has seen many changes with the changes in the hobby. We will have two classes to enter, scale and non-scale. Doesn't matter if they are ARF's, foamies or modeler-built, all are welcome. So, come and participate in another TCRC event. They are for you. There will also be an overall winner class called people's choice. This is voted on by all members and guests at the meeting that night.

See you at the meeting. It's fun to get involved.

- May 11 **Spring Float Fly**
Bush Lake Park
Bloomington, MN
Steve Meyer
- May 14 **TCRC Membership Meeting, 7:00 PM**
CrossPoint Church
Bloomington
- May 14 **TCRC Building Contest**
CrossPoint Church
Bloomington
After Business Meeting
- May 19 **Big Sky Hobby Swap Meet 8-12**
- May 25-27 **Hanson Family Fun Fly**
Kris Hanson Farm
Mayer, Minnesota
- June 1 **Minnesota Drone Day**
Science Museum of Minnesota, 11 – 4 PM
- June 15 **Electric Fly-In**
Scott County Fairgrounds
(Probably)
Gerry Dunne
- June 20-22 **Windy City Warbirds And Classics**
St. Charles, Illinois

J



MNBigBirds.com

Hawker Hurricane MkII
Kawasaki Ki-45 "Nick"
Focke Wulf TA-152H
Lavochkin La-7
Grumman Lynx
ARADO 96B
Howard Pete
Mitsubishi Ki-15 "Babs"
Thomas Morse Scout S4C

Free! Scale Plan Downloads



Hawker Hurricane Mk II
1/4 Scale British Fighter

Composite Parts Available Thru MICKO

Designs



Howard Pete
1/3 Scale Racer

New!



KI-45 DRAGON SI AYER

Add'l Extras

- In Flight Videos
- Construction Articles
- Scale Documentation
- Paint Masks & More!

TCRC 2019 Mowing Schedule

May	1-4	Corey Kaderlik	Runway edges and South section
	5-11		Runway edges and North section
	12-18		Runway edges and South section
	19-25		Runway edges and North section
	26-6/1		Runway edges and South section

June	2-8		Runway edges and North section
	9-15		Runway edges and South section
	16-22		Runway edges and North section
	23-29		Runway edges and South section

July	6/30-6		Runway edges and North section
	7-13		Runway edges and South section
	14-20		Runway edges and North section
	21-27		Runway edges and South section

August	7/28-3		Runway edges and North section
	4-10		Runway edges and South section
	11-17		Runway edges and North section
	18-24		Runway edges and South section
	25-31		Runway edges and North section
	8/1-8/20	Jim Ronhovde and Daniel Olberg	Reinvest In Minnesota (RIM) Land North, West and East sections

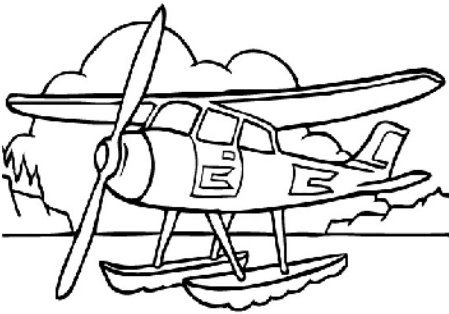
Sept.	1-7		Runway edges and South section
	8-14		Runway edges and North section
	15-21		Runway edges and South section
	22-28		Runway edges and North section

October	8/29-5	Corey Kaderlik	Runway edges and South section
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Sign Up Today And Do Your Part On The Mowing Schedule!

TCRC Spring Float Fly May 11th

by Steve Meyer



It's time to get ready for the TCRC Spring Float Fly that is held every year at Bush Lake Park in Bloomington. The date is Saturday, May 11th. We are planning on having great weather for the event.

Chair for the event is again Steve Meyer, and the flying will start at 10:00 AM on Saturday, following a short pilots' meeting to confirm the safety rules and designate the flight areas. We will have a retrieval boat at the event, for that rare chance that a plane or two cannot make it back to the beach under its own power.

The Spring Float Fly is open to any pilot that has a valid AMA card for 2019, and usually there are guests from several of the area R/C clubs, and there are always many beautiful aircraft on floats that put on a show to all in attendance. Bush Lake Park has a very nice sand point that juts out into the water allowing great air traffic patterns regardless of the direction of the wind.

National Model Aviation Museum Opens Digital Collection

(Reprinted from an email from the AMA Foundation)



Thanks to the support of AMA members, staff, donors, and Museum Patrons, the National Model Aviation Museum has completed a multiyear project to build an online digital collection. As of now, 830 object records and 2,734 library records are available for viewing.

The digital collection showcases only a portion of the National Model Aviation Museum's entire collection, which includes approximately 11,000 objects and 5,332 library books and materials. The digital collection will continue to grow as museum personnel add artifacts and information.

The National Model Aviation Museum has been making a concentrated effort to share its collection with members who are unable to visit the museum in Muncie, Indiana. In the last few years, we've debuted a new virtual tour, a 'Fly By' video series, and the #ModelMonday and #ManuscriptMonday series on Facebook and Instagram.

The digital collection will allow AMA members and the public to take a more in-depth look at what's at the museum by searching the new database. To view the collection, visit COLLECTIONS.MODELAIRCRAFT.ORG.

Are you interested in supporting the National Model Aviation Museum as a Museum Patron? Visit modelaircraft.org and make a donation. J

Figure out what planes you are going to put a set of floats on and mark your calendars for the Spring Float Fly on May 11th. J

Hitec Q Cop 450 Drone For Sale

by Jim Cook



I have for sale a Hitec Q Cop 450 drone for sale. This is a large (27-inch) high quality GPS with camera drone. This is Hitec's answer to DJI's dominance of the market for this type of drone.

The Q Cop has about 5 flights on it and is in excellent condition. It comes complete with battery, battery charger, transmitter, spare props and complete operation manual. In addition, Hitec provides exceptional customer service on the Q Cop.

I am selling this drone because I have purchased a more expensive drone and cannot afford to own two.

The Q Cop 450 sells new for between \$500 and \$600. I am offering it to a TCRC member for \$250. After that I will be listing it on Ebay. J

Got Something For Sale?

Sell It Here!

R/C Airplane Related Only

For Sale

by Dennis Leonhardi

Some of your club members may be interested:

John Koch (in South St. Paul) has been building and flying electric powered RC model for 20 years and is now in the process of liquidating a huge collection – ARFs and kits New In the Box, Completed Airplanes, Airplanes Not Completed, building materials, radios (and more radios), helicopters, cars, and much more.

Son Dominick and I brought home a minivan full, and we can attest to the value of this stuff – John is typically selling it at 50% of the original purchase price. (A kit he purchased with a price tag of \$99.99 he'll sell for \$50, for example.)

If you're interested, give him a call ([952-412-7068](tel:952-412-7068))

You can send him an email (jkoch12@yahoo.com) and grab what you like before Dominick and I get back to him! J

For Sale

President Bob Breisemeister has some very nice airplanes for sale.

Bob's planes range from small electric ARF's up to 1/3-scale sport planes. Some planes are still in kit form, and some are entirely completed.

The prices of the various planes are very moderate and any one of the aircraft would be a great value for the money.

If you are interested, give Bob a call at 612-964-8877, or see him at a meeting. J

TCRC Apparel For Sale

TCRC's club apparel is available for sale at most membership meetings.

The apparel is pretty nifty looking.

Club treasurer Tim Wirtz has been organizing the order of the club apparel and now has for sale:

- TCRC Hats \$12.00
- TCRC Hatbands \$5.00
- TCRC Gray Sweatshirts \$18.00
- TCRC Gray T-Shirts \$12.00

Tim has plenty of the hats and shirts in an array of sizes. See him at a meeting to get your new TCRC shirt or hat. J

Bachem BA 349 Natter

by Conrad Naegele

The April Mystery Plane was supposed to be a 3-view of the Bachem BA 349 Natter but the editor inadvertently put a 3-view of a V-1 in the newsletter.



The German Bachem Natter (a poisonous European viper) was an inexpensive, rocket-propelled interceptor, ordered in 1944. It was constructed by mostly unskilled workers. Quality was sacrificed, as was material. Aside from fuel tanks and wing spars, the wings were simple wood structures, as was the cruciform tail and the fuselage.

The expendable nose housed a battery of 24 2.9" unguided rockets. The pilot was protected by a bulletproof windscreen, and armored bulkheads. Directly behind the pilot was the rocket motor with highly explosive T-stoff fuel, hydrogen peroxide, and hydrogen hydrate, and water. The Natter was mounted on 3 31-foot rails, with 4 solid-fuel booster rockets for initial acceleration.

The first unit was towed to 18,000 feet. Test pilot reported it was completely stable in all maneuvers. The first piloted ground launch ended in the pilot's death, when the nose cone flew off, knocked the pilot out, and the plane flopped over and crashed. However, 10 good launches followed. The idea was that the rocket would be radio-controlled up to fighting altitude, when the pilot would take over, fire rockets, jettison the nose cone, bail out, and the fuselage and rocket motor parachute to the ground for reuse.

None of these planes were used operationally. Strangely, 200 were built!

The Natter a Walter 109 rocket motor which developed 3,750 pounds of thrust, with 4 auxiliary motors with a total thrust of 8,150 pounds. It had a wingspan of 13-feet, a weight of 4,850 pounds, a speed of 560 mph, and a climb rate of 35,000 feet per minute. J

TCRC Building Contest May 14th

by Chris O'Connor

It's that time of the year, flying season!!!!!!!!!!!!!!

TCRC's annual building contest is this month. The May 14th TCRC meeting will feature the building contest. This year there will again be only two categories, Scale and Non-Scale.

New planes can of course be entered into the contest. In addition, if you entered a plane in a previous building contest and won your class you CANNOT ENTER IT AGAIN. If you did not win your class, then you can enter the same plane again. You must be a TCRC member to enter the building contest.

The other category is People's Choice, that is voted on by all people that are present at the May meeting, even guests can vote for the people's choice. We will have additional prizes for entrants of the building contest that did not win in their class. So, bring your planes to enter in one of the categories. You could be a winner.

Remember Tuesday, May 14th at CrossPoint Church. TCRC'S Building Contest!!!!!!!!!!!!!!

Thanks for participating!

J

RealFlight 8 Is Impressive

by Jim Cook



My previous RealFlight was RealFlight G4 which I purchased somewhere around 10 years ago. Several computer changes over the years rendered my G4 edition useless, and I have been without a simulator for several years. I have been reluctant to spend the \$180 necessary to purchase the latest edition of RealFlight.

However, I learned from Horizon Hobby that if I have the Interlink Elite Controller that came with my G4 RealFlight, it would work with RealFlight 8 and I would only need to purchase the software. So, that is what I did. This cut my purchase price almost in half!

What is most impressive is the ease of installation. I remember back when I installed G4, it was a lengthy, complicated process. However, with RealFlight 8, these are the steps necessary for installation: 1) Plug USB connection of the Interlink

transmitter into the computer; 2) Put the RealFlight 8 CD in the CD/DVD drive of the computer; 3) Click 'Install' when the RF8 dialogue box comes up. That's it! No transmitter calibration, no complicated computer instructions. The software installation takes about 20 minutes or so, but I was just a spectator.

With RealFlight 8, you get 150 airplanes, helicopters and drones - most of which are R/C planes you can purchase in your hobby shop, *and they fly exactly like your model does!* You get 40 different flying sites. You get trainer programs for helicopters and for 3D flying of airplanes.

Not only that, Horizon Hobby has a customer service branch that is specific for RealFlight. I learned this when I was verifying that my G4 Interlink would work with 8.

I am excited about re-discovering RealFlight. It is a great R/C simulator. When I purchased G4 so many years ago, I was having lots of trouble learning to fly inverted. At the field I would roll inverted and then immediately panic and roll upright after a second or so. With RealFlight the penalty for crashing was significantly less, and my panic quickly subsided. I learned how easy inverted flight was. Other aerobatics quickly followed.

With 8, I am going to tackle the 3D trainer and at long last learn to hover an airplane. God willing!

If you are like me, and have been without RealFlight because of various computer upgrades over the years, now is the time to re-acquaint yourself with this fantastic simulator! J

New Member



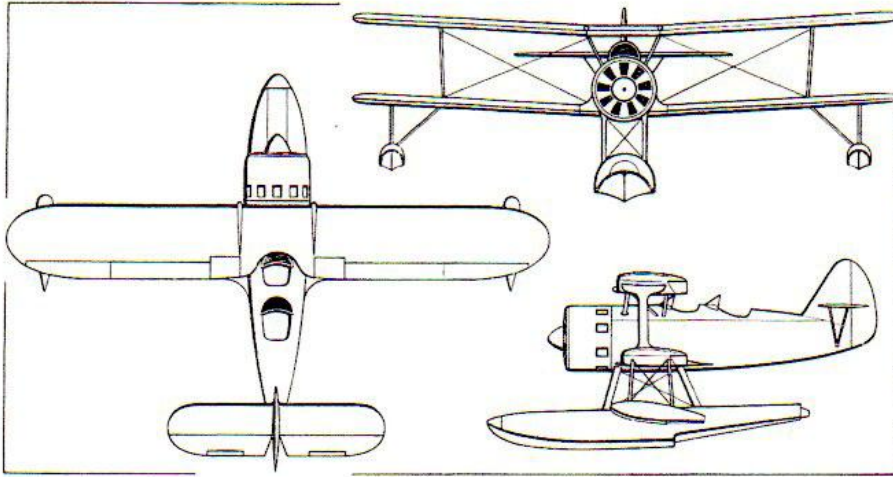
Tom Wicks became a member of TCRC at the April membership meeting. However, the editor has not yet received the member data sheet on Tom, so cannot get anymore information at this time.

However, Tom's picture is shown above, so when you see Tom at a meeting or the field, introduce yourself and welcome him to TCRC. 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.



May Mystery Plane



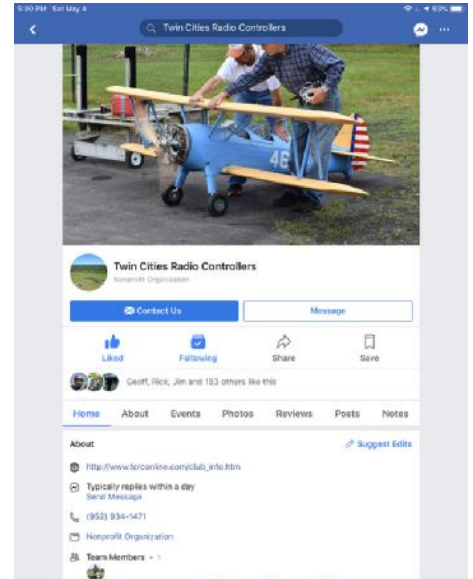
Your Hard Working TCRC Officers Run A Tight Ship!



The April membership meeting was presided over by your 2019 officers: vice president Chris O'Connor; president Bob Breisemeister; secretary Ken Weddell; and treasurer Tim Wirtz.

TCRCOnline.com

Twin Cities Radio Controllers Facebook Page



In addition to its fantastic website, TCRCOnline.com, the club also has a Facebook page, Twin Cities Radio Controllers.

Take the time to visit TCRC's Facebook page. **J**

Lock The Gate!

It is very important that the gate to the field be kept locked at all times when there is no member present.

It is every member's job to lock the gate when her/she is the last one at the field. It doesn't matter the time of day or how nice the weather is. This simple rule is to keep the gate locked to prevent theft, vandalism and the unauthorized use of our land from occurring. **J**

Twin City Radio Controllers



HOBBY

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info@hobbyzone.com

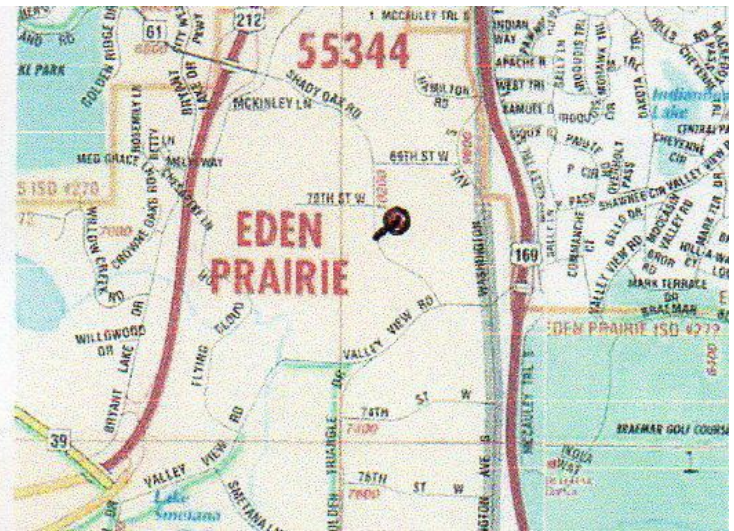
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