



May Minneapolis, Minnesota U.S.A. 2013

# Holy Toledo! What An Expo!

by Jim Cook



Scott Gerber and Jim Cook enjoying the Toledo Expo.  
(Photo by Jim Cook)

The Weak Signals R/C Club of Ohio has been sponsoring the Toledo R/C Expo for 59 years. This year it was held on April 5 through 7, 2013. This is by far the biggest R/C exposition in the United States with almost every manufacturer in the hobby being present to display and demonstrate their products. Every year it is held at the Seagate Centre in downtown Toledo and if you are into the R/C airplane hobby, you should make it a point to go to Toledo!

I make it a point to attend the Toledo Expo every odd numbered year. Usually a few members of TCRC make the trip with me. In the past we have rented a motor home for the trek from Minnesota to Ohio. Sometimes we drive a car. Sometimes we fly.

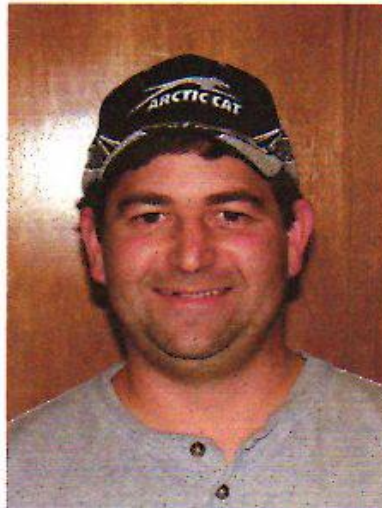
This year Scott Anderson and I were going to drive, and meet up with Scott Gerber, a former TCRC member, who was driving in from St. Louis. With Scott Anderson's new job, he got tied up at the last minute and had to cancel the trip. I quickly called Scott Gerber and said I could fly to Detroit if he could pick me up. He suggested I fly into Indianapolis, which was the halfway point of his drive, and then we would have more time to catch up on all of the happenings over the last couple of years. I did this and it was great. I grew up in Indianapolis and hadn't been back in 40 years. We actually had to drive within a couple of blocks of my old home, so we stopped and I got some pictures of the old homestead.

Toledo Expo has the main floor which has all of the R/C manufacturers and products, but it also has the biggest swap meet ever held on the second floor of the Seagate. We arrived early enough on Friday morning to spend an hour or so in the swap meet before the

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# From The Left Seat

By Corey Kaderlik



April -- what a month! Snow and rain kept many of us from flying until yesterday. I flew my Extra 260, broke the tailwheel off, went home, loaded up my 33% 330L and put a maiden flight on that aircraft and the main landing gear broke on landing. But what a beautiful day! Enjoyed by many people. Great to see everyone out flying and having fun with this entertaining hobby.



The day was just great to do some flying and do some enjoying of the arrival of spring, at long last! (Photo by Corey Kaderlik)

I don't really see any reason to have a field clean-up unless conditions change, but we can still have a fun fly. The scheduled date is Saturday, May 11<sup>th</sup>.

I attempted to burn the brush piles but due to weather conditions they were too wet. We will have to try this fall.

We are currently looking for help for the large tractor maintenance. If interested, please let us know. Jim Ronhovde is looking for a hand when doing repairs. Please let him know if you can possibly help.

Hope to see you all at the field a lot in May. J

## Calendar

- Every Friday **Dome Flying**  
**Golf Dome**  
**Long Lake**  
**9:00 PM to Midnight**
- May 11 **Jordan Field**  
**Clean Up and Fun Fly**  
**Now, mainly a Fly Fly**
- May 14 **Membership**  
**Meeting, 7:00 PM**  
**CrossPoint Church**  
**Bloomington**
- May 18 **TCRC Spring**  
**Float Fly**  
**Bush Lake Park**  
**Bloomington**
- May 24-27 **Hanson Family**  
**Fun Fly**  
**Mayer, MN**
- June 22 **Competition Fun Fly**  
**Jordan Field**



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

## Toledo Expo

Continued From Page 1

main floor opened. Jeremy Steinmueller always has a booth for Big Sky Hobbies on the second floor and sells a ton of products. When the main floor opened up at 9:00 AM we were one of the first people into the hall. We enjoy Friday because the crowds are normally less than those on Saturday. One of the products I had on my list of 'must haves' was a new helicopter that also shot video and still pictures. I went to a booth called Toysmine and found an even bigger helicopter than I had planned which shot pictures and videos. The price was unbelievably cheap and Scott and I each bought one, depleting the booth's inventory of this product in half. It didn't matter that the box was so big that I had no idea how I would get it onto the plane to go home. But I didn't have to worry about that at the moment.

It doesn't matter what you have on your list, you will find it at Expo. I had about a dozen things on my list, and not only did I cross off every entry on the list, I was actually able to buy several items that weren't even on the list.

Expo also has its building contests for just about every category of airplane, boat, car, etc. The entries are all fantastic examples of workmanship. A huge fiberglass 'bat plane' caught a lot of eyes, including the local newspapers and TV channels. We caught up to Geoff Barber (former TCRC member) and his R/C Universe crew on Friday afternoon and traded notes.

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## Just A Small Part of Toledo Expo



A birdseye view of just one small corner of the main floor at the Toledo Expo. (Photo by Jim Cook)

## The TCRC Guys All Had Pretty Big Smiles At Expo



Jim Cook, Mark Wolf, Chris O'Connor and Steve Meyer really enjoyed their trip to Toledo. (Photo by Jim Cook)

## Toledo Expo

Continued From Page 3

Hot items on display and being demonstrated this year were quadcopters in every size and shape imaginable. The newest editions of R/C simulators were available for anyone to put his favorite plane through its paces. By 5:00 PM, we were happily exhausted as we climbed into Scott's wife's Volkswagen to head back to the Comfort Inn. The car was noticeably full of boxes containing the day's treasures.

Evening found Jim heading to dinner with his sister who lives in nearby Bowling Green, while Scott searched out his favorite restaurant. When the two got back from dinner, all of the day's purchases had to be reviewed, maybe tested a little bit, and then plans made on what further purchases would be made the next day. Scott had his heart set on a giant-scale plane, but Jim had to point out that if he purchased it either Jim or the plane would have to make the return trip to Indianapolis on the roof of the car. I think Scott actually contemplated this before saner minds prevailed.

Saturday morning, Scott and Jim met up with Chris O'Connor, Steve Meyer and Mark Wolf from TCRC. They had just driven in from Chicago and had their lists burning holes in their pockets. Mark Wolf showed Jim his white envelope which had block letters "For emergency use only" written on it. This envelope obviously contained money, and Mark proudly said that every year he has come, an emergency has arisen which has forced him to open the envelope.

## What A Weathering Job!



**This Corsair had a weathered look that was the most phenomenal detailing job I have ever seen. (Photo by Jim Cook)**

Saturday found all of the entrants in the contests check in and the quality of planes was phenomenal. After reviewing all of the models Scott and Jim headed in separate directions to pick up those last minute items before they headed home at noon.

The car was crowded on the return to Indy, and as Jim got out at the airport, he still hadn't figured out how he was going to sneak a fairly large helicopter onto the airplane. During check in the size of the heli box was quickly noticed and the Delta agent's solution was to remove it from the box, which I did. However, now I had a somewhat fragile aircraft in my hand that I had to carry onto a very full airplane. I did successfully get the helicopter home in one piece and have even put a few successful test flights on it.

Toledo Expo was another great trip. If you haven't been, next year is the time. The 2014 dates are April 4<sup>th</sup> through the 6<sup>th</sup>. Make some plans for next year!

J

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# Pictures From The Toledo Expo 2013



**Jim with Geoff Barber and the R/C Universe team at the Toledo Expo.**



**The Batwing plane got a lot of attention in the competition category.**



**Jeremy Steinmueller of Big Sky Hobbies was kept busy all during Expo.**



**Flying demonstrations of quadcopters were all over the Expo floor.**

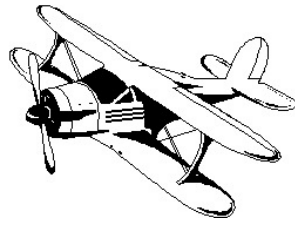


**Scott Gerber admires another neat aircraft.**



**Airplanes were everywhere overhead at Expo.**

# Show & Tell



Three nice airplanes showed up at the April 9<sup>th</sup> meeting for S&T.

Stan Erickson had a 1/4-scale Super Cub which was an ARF done by Hanger 9. It had a 102-inch wingspan and weighed in at 17-1/2 pounds. The plane was white with blue trim and was powered with an OS Gemini twin. Servos numbered 8 including flaps. Stan also had LED lights in the wing tips. As of the meeting the Super Cub had not had its maiden flight and Stan said he was waiting for “really good weather”.



Sherwood had another ‘plane from the past’ resurrected from the ashes. This was a BalsaNOVA that was rescued from a trash barrel (known as a ‘trash barrel kit’ or TBK). The fuse had been destroyed to the middle of the wing saddle. Lots of hours went in its reconstruction and Sherwood felt it was a stronger plane when all was said and done. The original kit was from Morris Hobbies. The plane had an 80-inch wingspan and was now covered with red, white and black Ultrakote. The power plant was a Super Tigre 2300 2-stroke engine swinging an 18x6 prop. He said the maiden flight would be “As soon as possible.”

Very new member Chad Sulheim had a Goldberg Super Chipmunk at the meeting. This plane was done in Ultrakote in olive green with yellow/black checkerboard on the underside of the wings and tail. The power plant was a Saito 91 4-stroke engine. It had flaps that were set up with a 3-position delay. As of the meeting the Chipmunk had not had its maiden flight. **J**



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# 2012 TCRC Membership Awards

by Scott Anderson

At the April 9, 2013 membership meeting, club historian Scott Anderson recognized several members with their membership awards. A membership award is given to every member for each five years of membership in the club. Those years do not have to be continuous.

## 5-Year Patches

- Paul Doyle
- Cush Hamlin
- Benjamin Hamlin
- Dennis Leonhardi
- Todd Tibbs
- Tim Wirtz

## 10-Year Patches

- Daniel Armstrong
- Pat Dziuk
- Bernie Gaub
- Corey Kaderlik
- Bob Nestaval
- Mike Timmerman

## 20-Year Patches

- Larry Couture



**Larry Couture receives his 20-Year Patch.**  
(Photo by Jim Cook)

## 40-Year Patches

- David Andersen
- Chris O'Connor



**Chris O'Connor receives his 40-Year patch from Scott Anderson.** (Photo by Jim Cook)

## 50-Year Patches

- Stan Erickson



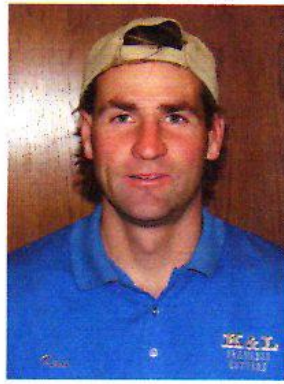
**Stan Erickson gets his 50-Year patch from Scott.**  
(Photo by Jim Cook)

Congratulations to all members who received their patches. It is an accomplishment to get a 5-Year patch, so it is really hard to imagine the dedication to this hobby that goes into becoming a 40-Year member or a 50-Year member.

Thanks to Scott Anderson for putting together the data and making the awards at the April meeting. **J**

# Veep's Corner

By Kris Hanson



Saturday April 27<sup>th</sup> was so far this spring my favorite day: 80 and sunny, very little wind. I flew seven different airplanes in one day. Two flights were maiden voyages, and the rest were just good old fashioned fun, and yes, the maiden flights went well. All airplanes went home in the same condition they arrived.

I flew at a friend's field – the Crow River Flyers, in Waverly, Minnesota with my son and his son. We also had fun by the River playing with our boats and a fun adventure chasing one a quarter mile down river as it flipped and started to sink. We were able to recover it. We had a blast.

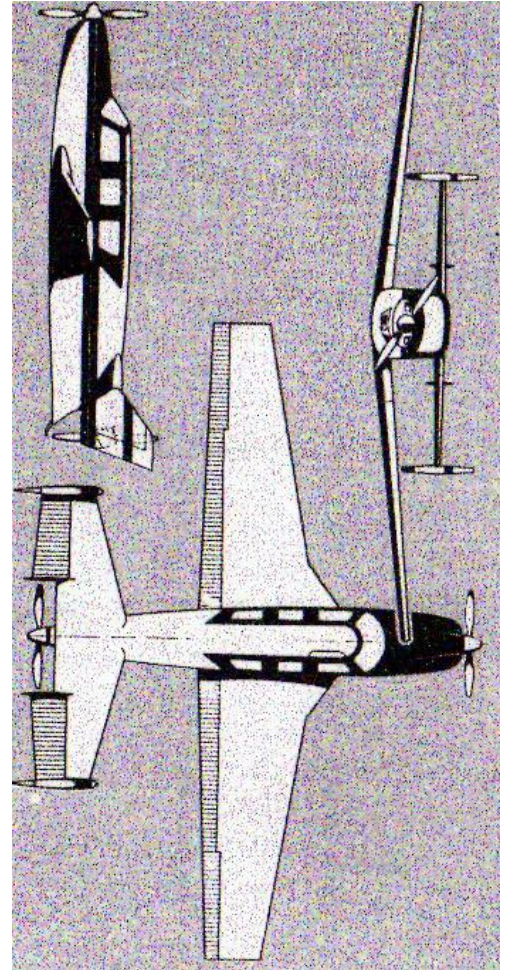
I hope you were able to get out and enjoy the day also.

A reminder: The Hanson Family Fun Fly is scheduled for May 24<sup>th</sup> through the 27<sup>th</sup>. We will be flying, boating, camping, and lots more fun things. The operative word is 'family'. Bring them all and have a great time. See the article on page 10 of this newsletter for more info.

We also are going to have our first competitive fun fly on June 22<sup>nd</sup>. I discussed this in my Veep's article in the April newsletter. It should be a lot of fun.

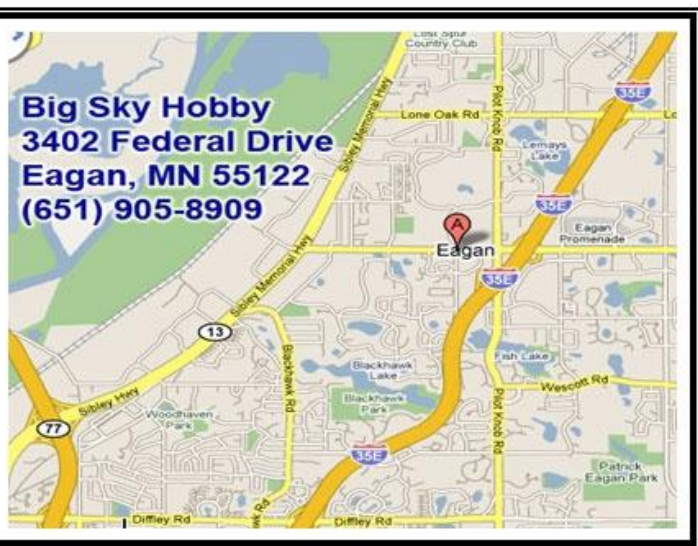
The weather is great and the field is in good shape. Grab a kid and go flying! **J**

# May Mystery Plane




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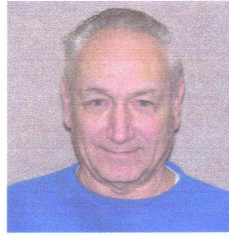


**Big Sky Hobby**  
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# Safety At The Field

By Larry Couture



Well it's the end of April and the snow is gone and the field is not and it is not flooded. The weather turned nice on Friday the 26<sup>th</sup> of April and the turn out on the field over the weekend was great, but the wind was high on Sunday but gone again on Monday. For those that did not get to the field you missed the first great days of flying this year.

There are a number of new members in our club and at this time I would like to welcome them and hope that everyone does the same when you see them at the field. All the rules are on the large board in the shelter along with a fire bottle and a first aid kit. I request that all members read the rules and learn or know where everything is for rapid use in case of an emergency.

Now if all the rules are followed to the letter of the law and everyone makes sure that their equipment never fails or that all flights end with perfect landings, then none of this equipment or knowledge thereof would be needed, but that is not going to happen in the real world.

So instead we must practice and use the rules every day that we fly. I think that the best thing we can all do is LOUDLY tell everyone and WAIT FOR A RESPONSE when we taxi out, takeoff, make touch-and-goes, low fly-bys and last but not least landings, or for sure the dead stick landings, which by there need take preference over all other movements.

As usual all landings from which you can fly again are great but not always graceful so fly often and keep the rubber side down. J

# TCRC Spring Float Fly May 18<sup>th</sup>

by Steve Meyer

TCRC's annual Spring Float Fly will again be held at Bush Lake Park in Bloomington, Minnesota on Saturday, May 18<sup>th</sup>. Start time will be 10:00 AM, when we will hold a short pilots' meeting and at that time go through the flying pattern, general safety rules and frequency control.

TCRC will provide a retrieval boat for those planes that stall on the water or have other minor mishaps. We hope weather well not be a factor in poor landings this year.

The Spring Float Fly is always well attended, with lots of TCRC pilots and several pilots from other area clubs. In addition, the event always attracts a lot of favorable attention from the many spectators that use the Bush Lake Park amenities.

If you haven't flown off of water yet, you don't know what you are missing. The runways are much bigger and a lot easier to find during a landing. Take the time to put some floats on an airplane or two and head for Bush Lake Park on Saturday, May 18<sup>th</sup>. Even if you don't plan on flying take the time to come out to the park and enjoy the many beautiful float planes that will be soaring over the lake. J

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## Bell X-22

by Conrad Naegele

The April Mystery Plane was the Bell X-22.



Without doubt, one of the most bizarre (ugly?) of Bell's many vertical-lift airframes, the X-22, was developed to a U.S. Navy contract, in November, 1962, for research into tilting ducted propellers, and/or vertical takeoffs.

A conventional fuselage had rear-mounted stub wings, each having a duct unit in its leading edge, with elevon control in the slipstream, from a 7-foot Hamilton standard 3-blade prop. Fore planes mounted on each side of the fuse, just aft of the flight deck, also had ducts and control surfaces. Power was by four G.E. turbo shaft engines, mounted in pairs at the wing roots. In addition, cross shafts were employed to insure power remained in case of engine failure. This contraption first flew in March, 1966. The X-22 managed to lift to 25 feet, on four flights, but hydraulic failure resulted in a crash, that destroyed the plane. The second plane flew in 1967, and managed to complete its flight tests. The plane was then assigned to the FAA, and NASA, and accumulated 110 flying hours, with 185 full transitions from vertical takeoffs to level. At that point the aircraft was 'written off'.

The X-22 had four G.E. engines that developed 1,250 shaft horsepower. It had a wingspan of 39-feet, and a gross weight of 18,016 pounds. It had a max speed of 316 mph and a range of 445 miles.

Conrad's note: Seven years in research and development, two planes, one crash, lotsa dollars and it probably never left sight of its home base hanger. All things considered, it sure doesn't look like a P-51, Spitfire or a Spad!! J

## Hanson Family Fun Fly

by Kris Hanson

With the advent of spring, Memorial Day weekend can't be far behind!

So with that in mind, I want to talk about a fun family event that I am putting on. For Memorial weekend, May 24th thru 27th. This is a camp fly all weekend day and night, which will include day flying and night flying. The reason I say family event is that there is something to do at the Hanson Fun Farm for absolutely everybody regardless of age, size, sex or whatever.

Location is north of Mayer, just 45 minutes west of the Cities. To get directions call Kris.

What you need to bring: airplanes, camping materials, swimsuits, clothing, food, beverages and a desire to have a great time.

Start time is anytime you want to arrive on Friday, May 24<sup>th</sup>, and leave anytime up to and including Memorial day. The Hanson family has nothing planned but to make this an enjoyable event for all that come to participate.

To sign up, call Kris at 612-702-3609. J

## New Members

Three new members joined the ranks of TCRC in April.



**Chad Sulheim**

Chad Sulheim lives at 60 Florence Drive in Tonka Bay, 55331. His phone number is 612-720-7737 and his email address is [chadsulheim@gmail.com](mailto:chadsulheim@gmail.com).



**Brian Sulheim**

Chad's sons, Brian and Nick live at 429 High Street in Carver,

55315. Brian's phone number is 612-202-7958. Nick's phone number is 612-578-5832 and his email address is [nulsheim@yahoo.com](mailto:nulsheim@yahoo.com).



**Nick Sulheim**

Randy Pramann joined TCRC in March but I did not have his picture at that time. Here it is.



**Randy Pramann**

If you see Chad, Brian, Nick or Randy at a meeting or the field, be sure and introduce yourself and welcome them to TCRC. J



**August 2-4, 2013**

<http://www.wattsflyin.com>

**by Steve Mills, WATTS Event Coordinator**

[steve@vintauri.com](mailto:steve@vintauri.com)

As a previous pilot at WATTS over Owatonna I wanted you to be one of the first to know that the registration for WATTS 2013 is live! Both online and mail-in registration information is on the website and ready for you to jump in on the fun. As in previous years we're putting together gift bags for the first 50 pre-registered pilots. In addition to that we will have a special drawing for all the pre-registered pilots. We'll add details about that prize in the future but in past years we have raffled off an RTF airplane!

We've worked hard to keep the costs down. Registration is \$20 if you pre-register and the Saturday steak dinner is \$13. T-shirts will be available at the event but we are not taking pre-orders this year. Don't worry we will have plenty of T-shirts and hats at the event. The steak dinner for Saturday night is on again and if you have missed it in past years you've missed out on an excellent meal with great steaks, baked potatoes, corn on the cob and more!

Get registered today and mark your calendars for another great weekend at WATTS 2013!! J

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

## Fantastic Planes At Toledo Expo



This F-86 Sabre was just one of many, many beautiful aircraft that were entered in the building competitions at the 2013 Toledo Expo. The details and finishes that the planes had were works of wonder. J

### THE TCRC FLARE-OUT Monthly Newsletter



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Publishers:	Pat Dziuk	952-445-3089
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Website:	<a href="http://www.tcrconline.com">http://www.tcrconline.com</a>	