



May

Minneapolis, Minnesota U.S.A.

2012

TCRC April Fool Flyer Fun For All

by Tim Len

TCRC's April Fool Flyer was held on Sunday, April 1st at the Jordan field and for the most part, the weather was flyable.



Some of the many pilots in attendance gathered in the pits to prepare for the many flights that occurred. (Photos by Tim Len)

The sun was bright, the temperature very reasonable for the start of April and the sky was almost cloudless. However the wind was very present gusting to a stiff breeze for most of the day. But we all know that if you can't fly in the wind, you can't fly in Minnesota. So the undaunted pilots that were flying small electric aircraft just decided to hand launch for most of their flights. The bigger glow powered and gas powered planes didn't seem to be bothered by the wind all that much.

The event started around 10:00 AM with president Tim Len and John Dietz arriving early enough to make sure the field was ready for the many pilots that started arriving shortly after 10:00.

There were a few pilots from other local clubs and they brought some giant-scale airplanes.



John Dietz was the dedicated chief cook and bottle washer and he got the grill going to serve up hot dogs and beverages to all in attendance.



The owner of the newest hobby shop in the area, Control Freak on Long Lake was in attendance and he passed out some gift certificates to the pilots.

The pilots contended with the wind all morning and afternoon before packing it up and heading home around 2:00 PM.

Thanks to all for showing up and enjoying a Sunday at the TCRC Jordan field. **J**

From The Flight Deck

By President Tim Len



Hi Everyone!

Welcome to May 2012, the TCRC field is looking great and I want to thank all the members who have taken the time to move the benches down, cut the grass and grade the driveway and parking lot.

The Jordan Field Clean Up is scheduled for Saturday, May 12th. Even though the field is in pretty good shape, it needs some sprucing up here and there. Come on down on May 12th and make sure you bring a plane for when the work is done.

The Spring Float Fly is also coming up this month. As usual it will be at Bush Lake Park in Bloomington. Start time is 10:00 AM. Steve Meyer is the chair for the event. Get those float airplanes ready to go and head for the Bush Lake beach.

Don't forget to check the TCRC Website for the latest news in upcoming events.

If you missed the last meeting, you missed my presentation of a program on the charging and storage of lipo batteries. For the May meeting, I believe the program will be entirely Show & Tell of club aircraft. I am sure there will be some great aircraft there.

I look forward to seeing you all at the next monthly meeting.

Happy Flying!

Spring Float Fly May 19th

TCRC's annual Spring Float Fly will again be held at Bush Lake Park in Bloomington, MN on Saturday, May 19th.

Steve Meyer, chair for the event said that start time will be 10:00 AM. He will hold a short pilots' meeting at that time to go through the flying pattern, general safety rules and frequency control. Immediately after the meeting he will declare 'the pool open'.

TCRC will provide a retrieval boat for those planes that stall on the water or have other minor mishaps.

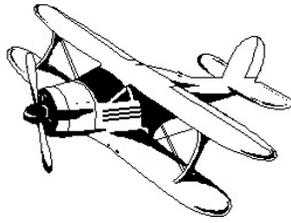
The Spring Float Fly is always well attended, with lots of TCRC pilots and several pilots from other area clubs. In addition, the event always attracts a lot of favorable attention from the many spectators that use the Bush Lake Park amenities.

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 19th. 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.

Membership Meeting May 8th
Silent Auction
Show & Tell Program

Show & Tell



More nice planes showed up at the June meeting.

The craft was manufactured by DJI and had a 19-inch frame. It weighed in at 27 ounces without battery. It was powered by 4 2212 electric motors and used a lipo 3-cell 2,200 mah battery. Rick said it came with 44 pages of instructions and he spent 3 hours on the internet learning how to arm it. As of the meeting it had three flights. He said it is very stable but that he hasn't pushed it yet.



Gerry Dunne had another new electric at the meeting. This was a Sequence ARF manufactured by Electric Fly. The plane was done in white, red and pink and was pretty sharp looking. It was powered by a Turnigy SK3548 and swung a 12x8 prop. The wingspan was 50 inches and it weighed in at 62 ounces.

Joe Neidermayr had a very nice looking ARF Lear Jet at the meeting. This twin ducted fan aircraft was white with teal trim and had a 50-inch wingspan. It weighed in at 3.5 pounds. It was covered with 1.5 oz. aluminum/epoxy and had electric retracts.



Rick Smith had a Quad Copter at the meeting. It was a Flame Wheel 450 and had a Naza autopilot.

Paul Doyle had a sleek looking P-51 ARF manufactured by Starmax. It was done in aluminum finish and had a 63-inch wingspan.

(Photos by Tim Len)

Veep's Corner

By Chris O'Connor



I say this every month.....WOW where did the time go!

About six to eight guys attended this year's Annual Toledo Aviation Expo. I know for me it's been 7 or 8 years of continually attending Toledo. Mark Wolf, Steve Meyer, Mike (Mark's nephew), and I look forward to each new show. This year, Gerry Dunne, Paul Doyle, John Dietz, Tim and his wife Phyllis also were at the show. We missed Jerry, Paul, and John, but enjoyed the company of Tim and Phyllis all day Saturday. Seeing most of the new products in person, finding some deals, and seeing all those beautiful models that enter the show are exciting to say the least.

This year Roy Maynard from Eden Prairie, Minnesota took 1st place in Jet Plane category with his Comp-ARF Tudor. It was mostly covered in Flite-Metal. What an awesome plane! Congrats to Roy. Make sure you plan on attending next year's show. Just about every RC manufacturer in this hobby is at attendance at Toledo and if you can't find it at the Expo, you won't find it anywhere.

Hopefully by now you have either been flying or planning to go real soon. Last month we talked about stalls. Now is the time to go practice some flying. Ask yourself, are you satisfied with your level of skill or are you wanting to improve? If you want to improve, part of the fun is learning something new. The best place to start is in straight and level flight in a racetrack pattern, maintaining constant altitude at all times, even in the turns. If you are the only one up try doing horizontal figure 8's, maintaining altitude. The nice thing about figure eights is you have to make both right and left turns. Usually one direction of turn is easier for most. The best way to get better is do the things that are uncomfortable a number of times and it becomes easier. Remember, practice a little higher so in the event of a mistake you can still recover. The thing to remember is center the figure 8 in front of you. The bigger the pattern the more time to react. All this leads to better approaches to landing. Next month we will cover some simple aerobatics.

Remember that this month the program is made up of everyone. This meeting is all Show & Tell.

See you at the meeting, the second Tuesday of the month, which is May 8th.

Calendar

- May 8 **Membership Meeting, 7:00 PM**
Auction Planning
CrossPoint Church
Bloomington

- May 8 **Silent Auction**
Jeff Farnum Estate
7:00 PM
CrossPoint Church

- May 12 **Field Clean-Up & Fly In**
Jordan Field

- May 19 **Spring Float Fly**
Bush Lake Park
Bloomington, MN
10:00 AM
Steve Meyer

- May 19 **Hobby Warehouse Swap Meet**
8:00 AM – Noon
Bloomington, MN

- May 20 **Pylon Racing**
1:00 PM Jordan Field
Paul Doyle

- May 20 **Big Sky Hobby Swap Meet**
8:00 AM – Noon
Eagan, MN

- May 27 **Pylon Racing**
Rain Date

- May 25,26,27 **Hanson Family Fun Fly**
Mayer, MN
Kris Hanson
612-702-3609

- June 8,9 **North Mankato Fly In**
Blue Angels
Forsberg Field



Mike Buzzeo 1954 -- 2012

by Scott Anderson



Our friend, Mike Buzzeo of Spicer, MN unexpectedly passed away April 9th, 2012. You may remember Mike Buzzeo from his visits to the TCRC Auction, Model Aviation Day, Big Bird events as well as RC events in Owatonna. He wrote such wonderful articles and reviews for RC Universe bringing these events to the attention of the computer literate RC World. His review of the 2005 TCRC Auction was just the beginning of his coverage of TCRC events.

We never had enough time to just sit and talk. Mike would be running one way and I would be another. We would always get time to have lunch at Toledo or at the Owatonna Northern Alliance and Watts events.

We had fun at the TCRC Auction this year and we had a chance to fly at the Metro Dome together. I missed the trip to the 'Joe Nall' with him last year as I was too busy. I missed the drive to Toledo this year. I would tell myself that it's OK, there's always next time, the next event. Now the events will be missing something. His rich laugh and his 'east coast' accent.

So many of Mike's model aviation friends and brothers have been touched by his wit and wisdom as well as his camaraderie. Mike was a cornerstone for a radio control enthusiast's forum called RC Universe. He called himself MINNFLYER, not NJFLYER, not, NYFLYER. We are proud to call him our own.

Geoff Barber placed a notice on the RCU forum concerning our loss

of Mike. In the first 72 hours nearly 150 pilots sent their condolences. These pilots represented 32 states and 10 different countries, ranging from Lawton, OK to Manchester, UK, Valdes, NC to Dubai, UAE, Ottawa, Canada to Chaing Mai, Thailand, Grafton, Australia to Alexandria, MN, all sending their best wishes to Mike's family and loved ones.

There is no doubt in my mind that Mike Buzzeo has made his mark on the world and the world is thankful for having him.

Mike Buzzeo 1954-2012. Gone Flying . . .

Hanson Family Fun Fly May 25, 26 and 27

TCRC member Kris Hanson is again scheduling his Family Fun Fly at his home in Mayer Minnesota. Dates are May 25, 26 and 27, and all members and family are invited to partake.

The event includes camping at his home, flying on his runways and flying field, swimming in his pool, and all-around good fun.

Anyone interested in being a part of the Hanson Family Fun Fly this year should give Kris a call at 612-702-3609 and plan on enjoying a great weekend of flying, camping and friendship. Kris promises that there will be some great weather for every day of the event. **J**

Bede BD-2 'Loved One'

by Conrad Naegele

The April Mystery Plane was the Bede BD-2 'Loved One'.



Jim Bede's line of aircraft, from the BD-2 through the BD-10, the supersonic general aviation model, are all fairly well known. The BD-8 has been quite extensively modeled. The planes were all basically sound, but merchandising was not as good. Perhaps the best known was the BD-5, which was flown both as a prop and jet-powered.

Now the BD-2 was specially built to both demonstrate and establish world records, distance primarily. He started with a Schweitzer 2-32 sailplane, very highly modified, with special wings. This was completely sealed, including wingtips, to hold a large quantity of fuel, a jettisonable landing gear (certainly not new) and finished with a glass like skin. Oxygen was provided for high altitude. For some reason, a fairly large engine was fitted.

Jim did set some records for the weight and class of plane, one of which outdistanced a non-refueled B-29 flight! His flight, lasting 70 hours, only ended in a rather major electrical malfunction. He flew almost 13,000 miles, and reportedly had 40% of fuel left. The plane was reportedly engineered for 28,900 miles. Keep in mind Dick Rutan and Jenna Yeager's 24,986 miles in the Voyager with 7,011 pounds of fuel - 216 hours of flight time.

The BD-2 was a one off model, and some of the closed course records still stand.

The BD-2 was powered by a Continental IO 360 engine developing 375 horsepower. It had a wingspan of 63 feet, a gross weight of 5,291 pounds and an estimated range of 28,460 miles.

Note: I am somewhat doubtful of some of these figures, knowing the fuel consumption of the IO 360, unless there was a whole lot of gliding being done!

Pylon Racing League

by Paul Doyle

Stock T-28 Racing League

The start of the 2012 pylon racing season is just around the corner with the first race scheduled for May 20th at the TCRC Jordan Field.

Well with the beautiful weather we've been having it's time to prepare to start racing! Tom from Hobby Warehouse and Jeremy from Sky Hobby have both agreed to give TCRC racers a special deal on the Parkzone T-28 we will be using as our pylon race planes, so if you don't have a STOCK PKZ T-28 in your hanger now is your chance to get a great deal on one. Just make sure you mention you're part of the TCRC race league when making your purchase to get the bargain.

I'm trying to get a head count of how many racers we will have so please send me an email (ppe74@yahoo.com) if you are planning on racing this season or even if you are thinking of racing. Late entries are always welcome to join us even after the season starts.

I look forward to seeing all of you out at the Jordan field for the 2012 season of the Stock T-28 Pylon Racing League this Sunday, May 20th at 1:00 PM. J

**Give Pylon Racing A
Try This Year!**

Jeff Farnum 1948 – 2012



TCRC lost a member and an avid flying enthusiast on April 12th.

Jeff Farnum flew both full-size airplanes and RC models. This was quite an accomplishment since Jeff was paralyzed in his legs and with limited use of his hands caused by a fall from a tree when he was 15. Jeff was a competent pilot in the cockpit of his single-engine Cessna, and a good RC pilot with his many model airplanes. He had a great love affair with aviation.

All of the members of TCRC offer their deepest sympathies to Jeff's family and friends.

Jeff Farnum, 1948 – 2012. Gone flying . . . forever.

Jeff Farnum's Airplanes Donated To TCRC

by Scott Anderson

I had a discussion with Cathy Cordes concerning her meetings with the executor of Jeff's estate. She confirms that the entire RC collection will be donated to the Twin City Radio Controllers to be used for field enhancements as the board sees fit. They only ask that we memorialize Jeff in some recognition such as the Jeff Farnum runway extension, or the Farnum memorial picnic benches.

I will be coordinating the move of the estate later this week so expect my call for help. I have created a list of the 18 aircraft and accessories to be liquidated to fund the club. It is my belief that the fairest way would be to hold a silent auction. Two of the aircraft have unique engines that could get us substantially more if we separate them from the aircraft and sell them on eBay. Members can bid on them there.

I will have all of the equipment at the next meeting, May 8th and we will have the silent auction during that meeting. Any items that we do not sell at that meeting will be sold at the swap meets on May 19th and May 20th. I will be sending a list and minimum bids in an e-mail this weekend to all members. If you cannot make the meeting you can e-mail your bid to me prior to the meeting. J

TCRCOnline.com

All Of The Club News As It Happens!

Are You Using It?

TCRC's Trek To Toledo Expo

TCRC had a good turnout of members at the Toledo Expo on April 13th through April 15th.



Tim Len, Chris O'Connor, Mike Wolf, Mark Wolf and Steve Meyer pause on the main floor of the Toledo Expo. (Photo by Tim Len)

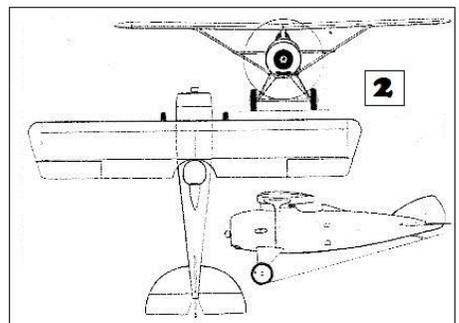
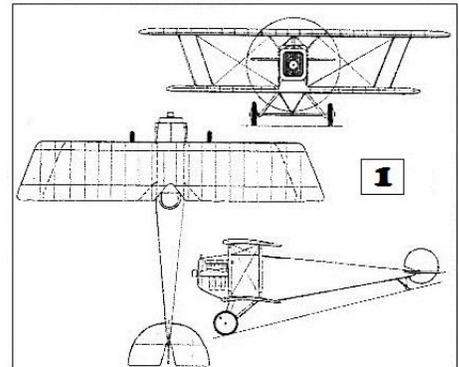
Tim Len was attending for his second year and was accompanied by his wife Phyllis. They met up with Chris O'Connor, Mark Wolf and his nephew Mike, and Steve Meyer, and then were joined by John Dietz, Paul Doyle and Gerry Dunne.

John had been to Toledo before but this was the first trip for Paul and Gerry. They were very impressed with the huge array of RC planes and equipment that were on display.

The Toledo Expo, put on by the Weak Signals RC Club, is the largest event of its kind, and virtually every manufacturer in the hobby is there. In addition, the club also hosts a huge swap meet on the second floor of the Seagate Centre.

All of the guys had a great time and safely returned to Minnesota tired and for sure with a few less dollars than they went with. And they all will be going to another Toledo Expo in the future. J

May Mystery Plane



Pylon Racing Schedule

by Gerry Dunne

May 20	Rain Date May 27
June 17	Rain Date June 24
July 22	Rain Date July 29
August 19	Rain Date Aug. 26
September 16	Rain Date Sept. 23

If we need more races because of rain on both days we will decide that as it happens.

Please contact Paul Doyle or Gerry Dunne if you are thinking of racing.

Thanks, and let's go racing! J

TCRC Spring Float Fly

Saturday, May 19th

Bush Lake Park

TCRC Float Fly Featured In Model Aviation

by Jon Perry

For those of you who have not noticed, a picture from TCRC's Fall Float Fly appeared in the May edition of AMA's *Model Aviation* magazine.

On page 171 of that issue the 'Viewfinder' picture of the month is of two J-3 Cubs taxiing out on Bush Lake at the Fall Float Fly. The picture was submitted by Andrew Wachholz. Andrew wrote, "the fall colors and clear sky made for a perfect backdrop as 23 pilots enjoyed a day at the lake. At a given time throughout the afternoon, a minimum of three aircraft were in the air at any one time and, as you can see in the picture, two or three planes were taxiing out and preparing for takeoff immediately following the landing of another. For me, this represents what RC aviation is all about; the colors, the environment, the sounds, and the community of each other." J

Come Fly with Us

And

Friday morning come meet the *Blue Angels* at Forsberg Field!!

Friday June 8 and Saturday June 9, 2012

Electric Only Model Aircraft Park

Forsberg Field

2075 Lookout Dr.
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Free drawings for TWO DX7 radios along with a Ready to Fly Yak and P-40!!!!



Friday June 8, 2012	
8:30 am to 9:30 am	Blue Angels at Forsberg Field!!!
10 am to 4 pm	Open flying – No AMA required
4 pm to 7 pm	Model Air Show (open to all AMA members) – AMA required
	War bird mass flying – Prop planes
	Jet mass flying – Ducted fan planes
	Combat flying (max. battery 1350 ma 3 cell)
	Glider / Eagle mass flying
	Large scale model
6 pm to 7 pm	Yak 55 and P-40 Drawing open to the public and pilots
7 pm to 8 pm	Pilots only drawing – two radios and more
7 pm to Dark	Open flying – No AMA required
Dark to ??	Night Flying at Forsberg Field – No AMA required
Saturday June 9, 2012	
7 am to 11 am	Open flying – No AMA required
11 am	Mankato Airport for Air Show or Open flying at Forsberg Field

Free Entry – Free Entry – Free Entry – Free Entry

Cub Scouts will have a food stand at the field. No overnight camping at the field.

North Mankato Electric Flyers web page <http://nmef.vintauri.com/Welcome.html>

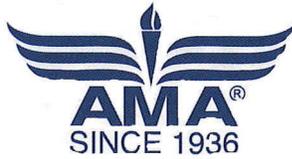
Contact Mike Stott at 507-469-9189 or email [Mike Stott](mailto:Mike.Stott)

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AMA Government Relations

by Rich Hanson
AMA Government and Regulatory Affairs

sUAS NPRM Release Date Slips Again...

According to a recent update on [DOT's Rulemaking Webpage](#) the projected publication date for the small Unmanned Aircraft Systems (sUAS) Notice of Proposed Rulemaking (NPRM) has been pushed back to July 2012. Though this has not yet been confirmed by the FAA Unmanned Aircraft Program Office (UAPO), sources close to the office say that the rule still resides at the Office of the Secretary of Transportation (OST) and at this point it's anybody's guess as to when the NPRM will be published. My guess is that recent provisions in the [FAA reauthorization bill](#) in regards to the commercial and public use of UAS, as well as model aircraft, have created the need to revisit several portions of the proposed rule.

Though the delay in the release of the NPRM is unfortunate, the advent of the sUAS rule is inevitable. Check back often for the latest news and updates on the sUAS rulemaking process. Q

Park Pilot, AMA's innovative, all-electric edition coming soon



The spring edition of *Park Pilot* is almost ready for distribution. Now is the perfect time to sign up for your copy, loaded with product reviews, must-have products, and model plans. The spring edition includes coverage of the AMA EXPO 2012 in California, Rob Caso's article on creating scale details, a construction article from legendary designer Dick Sarpolus, reviews for the Ares UM Trainer 100, and more. Don't let this deal fly away, take advantage of all four issues for just \$9.95 with your AMA Open membership. Q

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

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.

Hobby Warehouse Swap Meet May 19th

TCRC 2012 Mowing Schedule

May	1-5	Corey Kaderlik	Runway edges and South section
	6-12	Ken Corrin	Runway edges and North section
	13-19	Craig Greenwald	Runway edges and South section
	20-26	Mike Robin	Runway edges and North section
	27-2	John Dietz	Runway edges and South section

June	3-9	Ken Corrin	Runway edges and North section
	10-16	Craig Greenwald	Runway edges and South section
	17-23	Stan Erickson	Runway edges and North section
	24-30	John Dietz	Runway edges and South section

July	1-7	Jon Perry	Runway edges and North section
	8-14		Runway edges and South section
	15-21	Ken Corrin	Runway edges and North section
	22-28	Craig Greenwald	Runway edges and South section

August	29-4	Steve Meyer	Runway edges and North section
	5-11	Stan Erickson	Runway edges and South section
	12-18	Ken Corrin	Runway edges and North section
	19-25	Craig Greenwald	Runway edges and South section
	26-1	Tim Wirtz	Runway edges and North section
	1- 20	Jim Ronhovde and Daniel Olberg	Reinvest In Minnesota (RIM) Land West and East sections

September	2-8	Tim Wirtz	Runway edges and South section
	9-15	Ken Corrin	Runway edges and North section
	16-22	Craig Greenwald	Runway edges and South section
	23-29	Darryl Volk	Runway edges and North section

October	30-6	Corey Kaderlik	Runway edges and South section
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Formation Flying?



John Dietz and Gerry Dunne head back to the pits after putting flights on their twin electric warbirds. They were enjoying the beautiful albeit windy day of the April Fool Flyer at the Jordan Field on Sunday, April 1st. (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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