



August

Minneapolis, Minnesota U.S.A.

2006

TCRC Members Travel to Owatonna!

by Howie Flewitt

On July 1st, 14 TCRC members traveled to the Southern Minnesota Model Aircraft Club (SMMAC) field in Owatonna. This was the second of a two-part event providing an opportunity for TCRC members to learn more about other area clubs and their RC flying fields. The first part provided an opportunity for Owatonna club members to become better acquainted with *our* club and its members. Seven Owatonna pilots attended a Giant Scale Fly-in at our field one week earlier on June 24th.



Tim Johnson's award-winning half-scale (19 ft. wingspan) J-3 Cub.
(Photo by Bill Jennings)

As the day arrived, I was a little worried about the weather as the forecast was predicting morning showers. As I began the drive to Owatonna the sky was overcast and it looked as if rain was moving in.

However, the further south I drove the better the weather became. As I arrived at the SMMAC field, the sun was out, the sky was clear and the winds were light – a perfect day for flying!

Some members of the TCRC group arrived early and had already completed a few flights at the giant field, which features a 1200 ft. runway. I heard many compliments about the field as the pilots had the chance to experience the almost unlimited flying area with almost no obstructions. The field easily supports 5 or 6 planes in the air at a time, without anyone feeling overcrowded.

There were two memorable flying events that occurred during the day. The first was the opportunity to see two four-engine B-17's take to the air and fly in formation. Both planes were of the same scale (approximately 12 ft. wingspan); once in the air, it was difficult to believe that they weren't full-scale bombers flying over the field. Unfortunately, a silence settled over the field as one was severely damaged during a less than perfect landing approach. However, the good news is that the plane is repairable and will live to fly again another day.

Around noon the dinner bell rang out and everyone lined up on the hangar patio for a delicious lunch

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The President's Hangar

by Bill Jennings

For those of you that like the heat, we've had some wonderfully warm flying weather. However, I've noticed that the field is almost deserted during the weekdays. If you can manage to escape from work a little early, there is excellent flying each weekday evening from 5:00-8:30 PM. Also, there hasn't been a lot of rain this summer to interrupt anyone's flying plans.

Another month has passed that included two successful flying events. The first was a fly-in held at the Southern Minnesota Model Aircraft Club (SMMAC) field in Owatonna on July 1st. I was pleased by the member participation, but wish more of you had been able to make the trip. Several that attended were so impressed with the field that they are planning a return visit on August 5th. You can read the details of this fun-filled event elsewhere in the newsletter.

The second was the Electric Fun Fly and Campout held on July 8th. Unfortunately, the campout portion was cancelled due to the prediction of thunderstorms overnight – a wise decision. I missed this event, but Champion Gerry Dunne reported a good turnout and even some nitro-engine planes mixed in for fun. *(Editor's Note: Gerry and I did not touch bases and I did not get an article done on the electric fly.)*

The coming month is our busiest month of the year with four flying events scheduled. It's also the month when we usually experience the best of the summer flying weather. The first event is the 25th Anniversary Park Rapids Fly In scheduled for August 4th to 6th. I'm sure Champion Jim Ronhovde is planning to mark the occasion with some special festivities.

The second event is the Pattern Fun Fly scheduled for Saturday, August 12th, by Champion Chris O'Connor. Most of us can fly a fairly decent looking pattern, but when you add the word "precision", the fun really begins. Even if you're not planning to participate as a pilot, this should be an interesting event for spectators. All of us would be better pilots, if we spent more time perfecting our pattern flying skills.

The third event is our annual Model Aviation Day and Open House, scheduled for Saturday, August 19th and championed by Scott Anderson. This event has a lot of scheduled activity – flight simulator sessions, trainer flights, demonstration flights, and model displays. We'll need as many members as possible to be on hand to greet our guests and to provide the support necessary to ensure a successful event. Who knows? We may even gain a few new members.

The fourth event is the Fun Fly and Swap Meet championed by John Dietz. The event will be held on Saturday, August 26th. This is an experiment to see if we can encourage fellow RC'ers to bring their unwanted or unused gear to the field to sell or trade. It's also an opportunity for others to see our field and try out our runways. This event has the potential to bring in some new members, also.

There is one other area event I'd like to call to your attention – it's the 2nd Annual Northern Alliances War Bird Fly-In hosted by the Southern Minnesota Model Aircraft Club (SMMAC) in Owatonna. It's a 3-day event, scheduled for Aug. 11-13. If you can attend for just one of the days, I'm sure you'll be amazed. There should be more than 100 pilots from an 8-state area flying their war birds. Last year's event was fantastic – this year's should be even better.

Don't forget the monthly membership meeting on Tuesday, August 8th. Chris O'Connor has another great program scheduled on electric flying. In the meantime, I hope to see you at the field! ☺

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.

Owatonna

Continued From Page 1

that was served buffet style. The meal included grilled pork tenderloin sandwiches, and a nice assortment of vegetable dishes and desserts. As a SMMAC member myself, I've learned two things about the club: the members know how to cook and they know how to eat! However, after a short lunch break the field was quickly filled with the sounds of RC planes either in the air or on the ground preparing to take off.

The second highlight of the day occurred some time after lunch when field owner Tim Johnson flew his half-scale J-3 Cub for the first time. This model took the top award at the Toledo Expo this year, and with a 19-foot wingspan, it's really impressive. With upwards of 2000 hours invested in building the model, Tim worked up to the maiden flight very cautiously. After a thorough pre-flight inspection, the next step was to check the ground handling by taxiing several times at low speed up and down the runway. As his confidence increased, he made a higher speed run and lifted the wheels off the runway for about 30 feet before settling the big plane back down again. After another inspection, Tim throttled up the Cub one more time and lifted off the runway to fly one pattern around the field before bringing the large plane in for a perfect landing. He was amazed that the plane flew perfectly with NO trim adjustments required. Just before sunset with the wind at close to zero, the plane was sent aloft again for an extended flight that ended with another perfect landing. The pilot's smile was visible from a hundred yards away...

This event repeats itself on the first Saturday of every month. It's called "Giant Scale Saturday," and is regularly attended by many pilots from metro area clubs. However, a giant scale model is NOT required to participate. All pilots and all types of RC aircraft are *always* welcome. Why not plan a return visit to fly again at Owatonna in the near future? See you there! ☺

Aviation Axioms

It's better to be down here wishing you were up there, than up there wishing you were down here.

Hovering is for pilots who love to fly but have no place to go.

The only time you have too much fuel is when you're plane is on fire.

Flying is the second greatest thrill known to man. Landing is the first!

The probability of survival is equal to the angle of arrival.

You know you've landed with the wheels up when it takes full power to taxi.

Helicopters can't really fly - they're just so ugly that the earth immediately repels them.

Things which do you no good in aviation: Altitude above you. Runway behind you. Fuel in the can. Half a second ago. The airspeed you don't have.

Flying is not dangerous; crashing is dangerous.

An airplane may disappoint a good pilot, but it won't surprise him.

Good judgment comes from experience and experience comes from bad judgment.

Aviation is not so much a profession as it is a disease.

There are three simple rules for making a smooth landing. Unfortunately, no one knows what they are.

It's best to keep the pointed end going forward as much as possible.

Any attempt to stretch fuel is guaranteed to increase headwind.

It's easy to make a small fortune in aviation. You start with a large fortune.

A fool and his money are soon flying more airplane than he can handle.

Try to keep the number of your landings equal to the number of your takeoffs.

(Reprinted from the newsletter of the Duluth/Superior R/C Club, Duluth, Minnesota, Joan Johnson, Editor.) ☺

Pictures From TCRC's Visit To Owatonna



TCRC'ers John Dietz, Jim Miller and Chris O'Connor in the pits at the SMMAC field.



Cal Brandt's B-17 was powered by 4 OS 91 four-stroke engines.



Jeff Quesenberry's beautiful 1/3-scale F4U Corsair was quite a machine.



Tom Steinmueller's unbelievably nice looking B-17 sitting in the pits at Owatonna.



The SMMAC patio was nicer than home.



The flight line at Owatonna had lots of nice planes.

Pictures Of TCRC's New Shed – Start To Finish



John Dietz shows a true talent for destruction as he finishes off TCRC old little shed.



TCRC's New Holland tractor got into the act as John Dietz graded the area for the new shed.



John Dietz, Dave Erickson & Jim Ronhovde set the corner posts for the new shed.



Rick Smith working on the inside of the new shed before the walls went on.



**Jim R, John D and Rick Smith framing the shed.
Photos by Jim Ronhovde**



The new TCRC tractor shed almost done.

From The Co-Pilot's Seat

by Chris O'Connor

Anybody that missed the last meeting, missed a wonderful program on helicopter flying by Dave Schwantz. Dave brought a few examples of helicopters along and we had THREE Blade CX's flying in the lobby for anyone to try. Remember the programs are for your enjoyment and are very informative. I want to thank Dave on behalf of TCRC for donating his time to do two programs, one on turbines and one on helicopters. Dave works part time at Hobby Warehouse and can help you with any questions. This next meeting in August will be on electrics. Bob Savre from the Anoka club and a member of MARCEE will be discussing topics of interest in electrics. He may even bring a micro plane to fly. Let's have a good turn out to show our thanks to Bob.



Dave Schwantz shows the TCRC members a thing or two about helicopters on July 11th. (Photo by Bill Jennings)

As you know on August 12 we are having our aerobatic fun fly. Come on out and try your hand at a set of maneuvers from the Sportsman Pattern class. They are as follows:

- Takeoff-U
- Straight Flight Out-U
- Half Reverse Cuban Eight
- Straight Flight Back-D
- Half Cuban Eight
- Two(2) Inside Loops-U
- Two(2) Point Roll-D

- Stall Turn
- Cobra without rolls-U
- Immelman Turn
- One(1) Horizontal Roll-D
- Split "S"
- Double Immelman without rolls-D
- Landing

(U means upwind, and D means downwind.)

That's not too bad. We will talk about them at the meeting on August 8. Lots going on so plan on attending the meeting and also trying your hand at the maneuvers, it really is fun, and any plane will work.

Remember the programs are for your enjoyment! ☺

New Members

More new members joined TCRC in July.

Tynan Thurstedt joined as a junior member. His father, Tom has been a member of TCRC for two years. They live at 13313 Oliver Avenue S. in Burnsville. Tynan will be flying mode 2.

Todd Schwartz rejoined the club in July. He was a member several years ago and is now getting back into the hobby. Todd lives with his wife Kathy at 8061 Hidden Circle in Chanhassen, 55317. Their phone number is 952-445-4942 and his e-mail address is tschwartz@isd.net. Todd is currently flying an Ace SeaMaster and a Sig Kaviilier.

When you see Tynan and Todd at a meeting or the field, be sure and introduce yourself and welcome them to TCRC. ☺

Model Aircraft Day 2006 To Be August 19th

by **Scott Anderson**

The MAD-2006 event will be held Saturday August 19th. at our Jordan flying site.

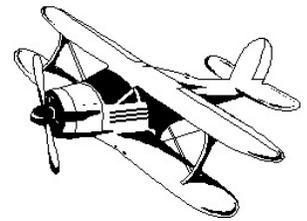
We have invited our neighbors in Jordan, Belle Plaine and Shakopee to visit between the hours of 1:00 & 3:00 PM.

1. This is a great opportunity to come down to the field and show off your stuff while spending the afternoon talking to friends and neighbors!
2. We will be providing hot dogs, brats, sodas and chips at a low cost (gotta get the treasury back up!) so we'll need a **concessions manager** and a **grill-master**.
3. We'll be running the PA system and providing background music and descriptions of what's happening on the flight line. If you are interested in being the master of ceremonies contact Scott!
4. We need LOTS O AIRPLANES to display and to demonstrate. Bring out your hanger queen for a little Show & Tell. Make up an 8 1/2 x 11 sign telling observers about your aircraft.
5. We have two volunteers bringing computers and GP-Real Flight Simulators.
6. We need tent shelters and a generator (and extension cords). (Scott may have a couple)
7. We need a person to manage the Simulator tents during their use.
8. We need to have (2 - 3) trainers and pilots available for hands on flights. (Scott has a plane he's willing to share.)
9. We need a couple of people to talk to the new pilots and introduce them to the controls before flying them.
10. We need flight demonstrations! Let's show off as much of the following as possible:

- Small Electric Flight (Park Fliers)
- Large Electric Flight (Real Electric Airplanes)
- Small Helicopter Flight (Electrics)
- Large Helicopter Flight
- Pattern Demonstration
- Scale Flight Demonstration
- Giant Aerobatic Demonstration
- Combat!

Go to the TCRCOnLine.com Forum and Look Up the MAD2006 Event thread to let us know what you are interested in doing! We need a great turn out at the MAD 2006 event on Saturday, August 19th. ☺

Show & Tell



by **Bill Jennings**

Another nice plane showed up at the July 11th membership meeting.



Bernie Gaub and his nice Goldberg Falcon.
(Photo by Bill Jennings)

Although only one plane arrived at the July membership meeting, it was a very nice one. This was a Carl Goldberg Senior Falcon ARF brought by Bernie Gaub. The nice red, white, and blue plane is finished in Ultracote and has a 69-inch wingspan. It is powered by an OS .46 LA engine and weighs between 6 and 7 pounds. Bernie is looking forward to completing the maiden flight, soon. ☺

Swap Meet and Flying Fun

by John Dietz

TCRC is planning to give you an opportunity get rid of some of the 'spare stuff' that you've been storing in your shop for longer than you may suspect.

On Saturday, August 26 at 10 AM, plan on bringing your RC 'stuff' to the Jordan field to see if someone else would like to buy it to store in their shop for a while.

After you finish selling, AMA members are invited to enjoy a few hours of flying fun at the field.

We plan to have hot dogs, pop and chips available.

A fee of \$10 will be charged to those who would like to sell items from their table or car. The \$10 fee will also get you a serving of the aforementioned hotdogs and pop.

If you have questions, contact John Dietz at (952) 831-1257. We'll see you at the Fun Fly & Swap Meet on August 26th. ☺

MAD 2006 MODEL AVIATION DAY

Saturday

August 19th 2006

12:00PM – 3:00PM

TCRC Flying Park

12866 W. Sioux Vista

Jordan, MN

Food & Soft Drinks Available

BSA Welcome!



CAP Welcome!



COME JOIN US in the excitement and thrills of flying radio-controlled aircraft! Not only will you see these aircraft perform exciting maneuvers across the sky, but you will get a chance to try your skills in flying on a computer simulation, and then, actually FLY an aircraft YOURSELF! Demonstrations and Discussions will be held on checking out and preparing an aircraft for flight as well as building and covering tips from Experts!

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Scott Anderson 952-934-1471
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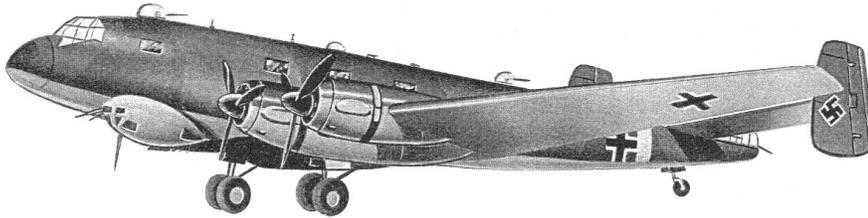
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Junkers Ju 290

by Conrad Naegele

The July Mystery Plane was the German Junkers Ju 290.



This 4-engine aircraft, while in service from 1936 through 1944, had a long and somewhat comical history. It was originally developed as a bomber, but due to its deficiencies, the German Air Force relegated it to transport status, and after a stint of civil transport, it was redeveloped for maritime recon, and then, once again, back to a bombing mission. In all these roles it just didn't work. In 1944, the remaining 50 aircraft were once again changed to transport. Rumor has it that one was used as Hitler's personal transport.

The Luftwaffe then stopped production. A total of 50 to 60 were built. In 1943, 2 prototypes were built based on the 290, with a wingspan of 181 feet, but now with 6 1,700 horsepower BMW engines. One was flown from Bordeaux, France to within 20 miles of New York and returned just to prove it could be done. Nothing came of this.

Although both Russia and Germany had 4-engine bombers, neither ever seemed to grasp the concept of strategic bombers. Maybe a gross error on their part, who knows?

The Ju 290 had a wingspan of 138 feet, a gross weight of 90,323 pounds, a top speed of 273 mph, and a range of 3,820 miles. It carried a crew of 7 to 9 and an armament of 1 20 mm cannon, up to 6,614 pounds of bombs and/or 3 Henschel radio-controlled guided missiles. ☺

All Season Flyer Patches To Be Awarded

There are lots of TCRC members that make it a point to put in at least one flight every month of a calendar year, and when they do this, they qualify for their AMA All Season Flyer patches.

The club has been behind in awarding its All Season Flyers, but sufficient patches have been ordered and have arrived. They will be given to the deserving recipients at the August 8th meeting. If you know you have a patch coming, give Jim Cook at call at 952-445-5257. ☺

TCRC'ers Heading North For 25th Park Rapids Fun Fly

by Jim Ronhovde

Lots of TCRC members will be heading for Park Rapids to celebrate the 25th Annual Fun Fly on Friday, August 4th.

Jim Ronhovde and Marilyn Krekelberg are co-chairs for the event. The Headwaters R/C Club are the hosts for the event, allowing the fun fly to happen on their very beautiful field just west of Park Rapids. Most members will be staying at the C'Mon Inn in Park Rapids.

A quick summary of the Fun Fly plans are:

Arrive Friday
Snacks at Scott Johnson's Cabin
on Friday evening
Breakfast Saturday at West Forty
Flying at Headwaters Field
Shopping for Spouses
Cocktails & Dinner at C'Mon Inn
25th Year Program after Dinner
Breakfast Sunday at West Forty
Flying & Departure for Home

Those currently signed-up to attend are: Morgan & Marion Larson; Jim & Mary Cook; Butch & Judy Neutgens; Tony & Marilyn Aldrich (now of Florida); Larry & Lynn Edelman; Conrad & Norma Naegele; Bill & Sue Sachs; John & Kathy Dietz; Jim & Janice Ronhovde; Vince & Vickie Anderson; Scott & Jennifer Johnson; Dave Kurschner; Bill Jennings; and, of course, Marilyn Krekelberg. ☺

Silent Auction A Success

by Bill Jennings



At the July 11th membership meeting a silent auction of the donated items from the estate of Gary Coss was held as a club fund-raiser. The sale was definitely a success with all but two of the items finding new owners. Among the items up for bid was a Viper 500 ARF, two tool boxes, an electric starter, glow plug igniters, a tachometer, heat gun, etc. Thanks to all the members who participated in the auction. The proceeds will help to fund some of the field improvements we're making at Jordan this year. ☺

TCRC Fall Float Fly To Be September 16th

It is hard to believe that the TCRC Fall Float Fly is not too far away when we are sweltering in 95 degree heat, but the summer is rushing by and it will be fall all too soon.

This year, the Fall Float Fly has been moved to the 3rd Saturday in September, instead of its traditional 2nd Saturday. This is because of the Bloomington Book Sale which will be that weekend, and the Bush Lake parking lot is needed for the event.

Anyway, plan on being at the TCRC Fall Float Fly at 11:00 AM at the Bush Lake Park in Bloomington on Saturday, September 16th. ☺

TCRC Tractor Shed Completed

by Jim Ronhovde

TCRC's new tractor shed is a post/pole barn style construction covered with sheet metal on all walls and roof. Dave Erickson helped with post hole digging and made an extra trip to his house to get the digger. We tried a powered ice auger that worked great in some holes and not at all in others. Soil texture seemed to be different. He really saved our day that time. Rick Smith helped on two shifts during his vacation. He has some really neat tools for that kind of work. We ordered the 10 foot by 12 foot shed late in June, with pickup the first week of July. We started July 5th and probably worked about 9 or 10 morning shifts. A guess would be John Dietz and I each put in 60 to 70 hours at the shed plus more hours than we wanted picking up out of the supply yard. Add in a dozen hours for Rick and Dave. We have a walk-in entry and an 8-foot wide overhead door. We feel it is basically constructed now on the 27th of July.

Plans are now to lay block under our old shed and steady the base and square up the building and follow that with covering that matches the sheet metal of the new shed.

Thanks to John Dietz, Jim Ronhovde, Rick Smith and Dave Erickson for a job well done. Stop down to the field and view their handiwork. ☺

**Programs Are Great At
TCRC Meetings!**

Wildlife At The Field

by Bill Jennings

Many members who venture out to the field early in the morning or close to sunset have spotted the many whitetail deer that run across the field. But have you taken the time to check out the birds in the shelter? For years now, the field shelter has been a popular nesting site for birds. Some of you may have noticed the constant activity as birds enter the shelter to perch on the rafters. There have even been a few near misses, as these birds answer nature's call while perched above TCRC members relaxing between flights.

The other day a bumblebee landed on my knee as I was sitting in the shelter. A few moments later, I saw a blur of motion, and felt something brush my knee. The bee was now gone and a purple martin was flying out of the shelter with a tasty meal in its mouth.

If you look up to the roof peak, you'll notice a number of skillfully constructed nests that are used year after year by purple martin families. This year there have been four active nests. One can count the circular areas of bird droppings that appear directly below the nests on the brick flooring.



The other day as I was taking a flying break I heard loud squawking above my head and looked up to see a batch of baby martins. They were waiting to be fed by the mother bird perched on a rafter nearby. They looked so cute that I grabbed my camera and waited for the right moment to take their photo. As you can see from the photo above, they are already beginning to practice their proper spacing for formation flying!



Calendar

- August 4,6** **25th Annual
Park Rapids Fun Fly
CD: Jim Ronhovde**

- August 8** **TCRC Membership
Meeting, 7:00 PM
Fellowship Hall
CrossPoint Church
Bloomington**

- August 12** **Pattern Fun Fly
Jordan Field
CD: Chris O'Connor**

- August 19** **Model Aviation Day
& Open House
Jordan Field
CD: Scott Anderson**

- August 26** **Fun Fly &
Swap Meet
Jordan Field
John Dietz**

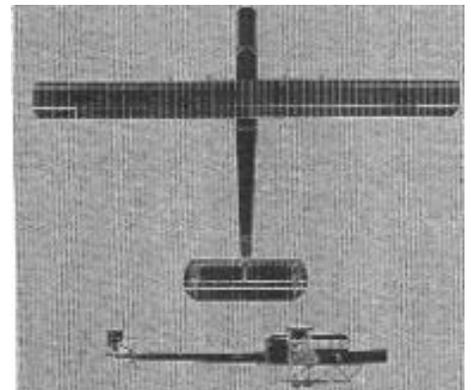
- Sept. 8-10** **Wings Of The North
Air Expo
Scott Anderson**

- Sept. 16** **Fall Float Fly
Bush Lake Park
Bloomington,
11:00 AM**

- Oct. 14** **Season Finale
Jordan Field
Mike Timmerman**



August Mystery Plane



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

Ready For The Next Flight



Jon Perry, who joined TCRC in January of this year and faithfully attended the 'kit building' sessions, is shown here recently at the Jordan flying site. He is currently an accomplished full-size pilot and plans on becoming an accomplished R/C pilot with this trainer very soon. ☺

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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