



February

Minneapolis, Minnesota U.S.A.

2006

A Big Crowd Kicks Off the 2006 All-Season-Flyer Year

by Jim Cook

For the first time in three weeks on January 7th, TCRC'ers saw the sun. And they saw it at the Jordan Field for the 2006 All-Season-Flyer kick-off.



Most of the pilots that attended the 2006 January All-Season Flyer kick-off. (Photo by Jim Cook)

Jim Cook, CD for the event, arrived at the field around 10:30 AM to find three or four cars there already. The field and runways were covered with a crusty snow, but the road and parking lot had been plowed.

Larry Couture and Jim set up the grill and got the charcoal burning. Meanwhile, Rick Smith fired up his fairly new Funtana electric 3D plane

Continued On Page 3, Column 1

You're Needed At The TCRC Auction!!

The TCRC Auction is Saturday, February 11th in the basement of St. Peter's Church in Richfield.

Set-up time is 7:00 AM, and the doors open for registration of sellers and buyers at 8:00 AM.

This is the club's biggest fundraiser and also requires the turn-out of all members to work at the event.

Registration will continue throughout the morning. The impound area will open for inspection from 9:30 to 10:00 AM. The auction will start promptly at 10:00 AM and will probably continue until 4:30 or so in the afternoon.

Take the time to inventory all of your R/C stuff and determine what you need to sell and what you need to buy.

Be a worker, a seller and a buyer at TCRC's 30th Annual Auction on Saturday, February 11th at St. Peter's Church in Richfield. Plan on having a great day at the upper Midwest's biggest R/C event. ☺

From the President's Hangar

by Bill Jennings

I'm writing this month's column on a bright, sunny day; the temperature is 45 degrees, and the wind is from the SW at 11 mph. Isn't it still a little too cold to go flying? One might hesitate for a moment before answering that question during the summer months. But, during a Minnesota winter at the end of January, the response is likely to be, "Let's go before all the snow melts!" This year's winter weather has certainly been unbelievable so far. I hope you've had the chance to take advantage of the bonus by venturing to the field for a few flights. Unless we get more snow soon, we'll have to unbolt our skis and put the wheels back on our faithful flyers.



**The guys taking a tour of Chris O'Connor's workshop in January.
(Photo by Jay Bickford)**

I'm sure you remember the line from the movie *Field of Dreams*, "Build it and they will come." Well, it's certainly proving to be true at TCRC. Chris O'Connor and I took a chance at the end of last year and scheduled two new winter events for the club – a kit building workshop and monthly workshop tours. We were optimistic that there would be enough interest in each event to make it a success. We were also searching for additional activities for members to do during the less-active time of the year. Well, I'm happy to report that the Building Workshop is off to a successful start with eight members starting to build new planes from kits. The eight kits under construction vary in size from a trainer with a 50-inch wingspan to a giant scale with a wingspan of 84

inches. In addition, last month's first workshop tour was well attended with other tours planned in the coming months.

Our next big event is the auction scheduled for Feb. 11th. This will be TCRC's 30th Annual Auction. Once again, we've done the planning, preparation and advertising. We're hopeful that Mother Nature will provides us with nice weather on auction day, but not too nice; otherwise some folks might choose to go flying instead! Once again we're hoping that "they will come". We're hoping that lots of sellers will bring their unused or unwanted RC merchandise to be sold. And, we also need plenty of buyers with enough cash to bid up the prices. One more thing – we need lots of support from the club members who volunteer a little time each year to make our annual fund-raiser a success.

If you haven't attended an auction yet, you've been missing an extraordinary event that always draws a sizeable crowd from throughout Minnesota and our neighboring states. If you haven't volunteered to work at an auction yet, you'll find the work is not too demanding for anyone, as there are usually plenty of volunteers to take turns with the various tasks. When you're not working, there's an opportunity to bid on a great selection of already-built planes, many complete with engines and servos. You'll also find kits and a large assortment of engines, radios, servos, and accessories – everything from field boxes to tools. There's always a nice selection of bargain-priced items in the concession area in case you get hungry. Mark February 11th on your calendar, and join us

Continued On Page 6, Col. 3

All Season Flyer

Continued From Page 1

and soared into the air. From that time on, there were planes in the air constantly.

Jim rang the dinner bell and the pilots chowed down on hotdogs and chips.

There were several maiden flights during the day. Mike Burk had his 3D Fashion Statement that flew well and Dave Kurschner had his beautiful ARF Minnow take to the air gracefully also.

The only casualty for the day was Scott Johnson's biplane which lost covering on the underside of one wing and immediately lost lift. It was pretty apparent that the remains would be sacrificed to the Grim Reaper in October.

A new windsock was installed during the day and it performed well in the light breeze.

It was great to see all of the pilots present to start on the road toward their 2006 AMA All Season Flyer patch. To obtain this patch, a pilot must fly outdoors at least once every month of a calendar year.

There were about as many glow-powered planes as there were electric, and with the beautiful day of sunshine, the pilots flew all afternoon.

Thanks to all of the pilots that came out to the field to get the first flights of the year. Special thanks to Jim Cook for Cd'ing the event. ☺

What Are Those Things On the Wing Called Again?



Rick Smith and Pat Dziuk give Mike Burk's new plane the once-over at the 2006 All-Season-Flyer kick-off. (Photo by Jim Cook)

Chowing Down At The ASF



The grill was hot and there was plenty of food for those pilots that worked up an appetite while flying. (Photo by Jim Cook)

Pictures From TCRC's All Season Flyer Kick-Off



Dave Kurschner's new Minnow gets ready for its maiden flight at the ASF.



Dave's Minnow was a pussycat during its maiden flight in Jordan at the ASF.



Jeff Dietsch put the maiden flight on this great-looking P-51 successfully at the ASF.



Mike Burk's 'Fashion Statement' roars into the air on its maiden flight.

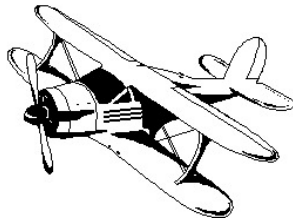


Rick Smith's Funtana looked great in the air.



Scott Johnson's biplane was the day's only casualty.

Show & Tell



Many new planes appeared at the January meeting.



Mike Burk led off the night with his homemade design of a 3D aircraft. He started with a fully symmetrical wing design and added a profile fuse and the horizontal and vertical stabs. The plane was very colorful with red, green and yellow covering. It was powered by a HyMaxx 2812 brushless motor and was set up for dual batteries. It weighed in at 16 ounces and he felt it was a nice flyer.



Mike also had another 3D plane of his own design at the meeting. This was done in PINK Styrofoam and also had a fully symmetrical airfoil. He had put several 'side force generators' that sat vertically on the wings. He flew this plane at the all-season-flyer kickoff at the Jordan field on Saturday and said it flew

well – "like a kite". The plane was also electric using a HyMaxx 2025 for the power plant. It weighed in at 20 ounces without its batteries.



Next up was Rick Smith with his very classy electric Funtana plane. Rick had flown this plane one time before the ASF event the previous Saturday, but was able to put 3 more flights on it at the ASF January. The ARF is made by E-Flite and he had powered it with a Hacker 5:1 gear reduction engine. During flight, it had unlimited climb and he felt the electric flew 'with substance' – that is it responded directly and did not get its flight plan altered by the weather. He also had a set of floats that looked very nice that would be used at the next Float Fly in May of 2006. His daughter Rachael had insisted that the cockpit sported a picture of Rick as the pilot.

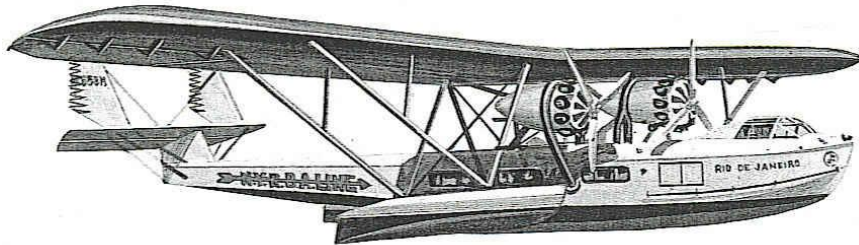


Very prolific Larry Couture had another plane at the meeting. This was a beautiful 40-size Zero that was done in silver with black trim. It was powered with an OS 46 AX engine and weighed about 5 pounds. As of press time the maiden flight had not occurred but knowing Larry, that flight would be very soon. ☺

Consolidated Commodore

by Conrad Naegele

The January Mystery Plane was the Consolidated Commodore.



This aircraft, while relatively unknown as the Commodore, had a rather complex history, and yet ended up a very well-known aircraft.

Consolidated Aircraft, a newly formed company, won a Navy contract in the late 1920's to develop a long-range flying patrol boat. Then known as the PY-1, it was powered by 2-425 horsepower Pratt & Whitney radial engines, mounted below a high parasol monoplane wing. As a patrol boat it was known as the 'Admiral'. However with slight modification, it could be used as a 20/32 passenger commercial flying boat. It was offered to a fledgling airline, NYRBA (New York, Buenos Aries, S.A.). Later, known as Pan America Airways, it flew routes to South America and the western Caribbean. Now it was called the Commodore, newly-engined with 550 horsepower.

Then came the Navy P2Y production run of 23 units. A lower wing was added, making it a sesquiplane, re-engined with 575 horsepower. More redesign with 750 horsepower, and then called the PY3. You guys that are paying attention now know where this is going! Engines were transferred to the leading edge of the wing, the sesquiplane feature was dropped and the plane was now the PY4. Again engines were bumped to 1,830-13's and there you have the famous WWII PBY-5!! With the addition of retractable wheels, the PBY5A was born. A long way from a minor Navy/commercial airplane to the terrific 'Catalina'.

The Commodore had a wingspan of 100 feet, a weight of 17,600 pounds, and a range of 1,000 miles. ☺

President's Hanger

Continued From Page 2

for a fun-filled day. Who knows? You just might take home a great bargain or two!

For those of you who are interested in aerobatics or pattern flying, I found an interesting website you can check out before the next meeting. It provides animated demonstrations of all the basic aerobatic maneuvers. You can display a detailed description and directions for performing a maneuver by selecting the link next to each thumbnail animation. The web address is: <http://www.geistware.com/rcmodeling/aerobatics/maneuvers/index.htm#basic> There is a lot of additional information at this site, so be sure to check out the other links while you're there.

Just a reminder that our next Membership Meeting is being held one week early, as St. Valentine's Day coincides with our regular meeting day this year. So, the next meeting will be held at 7:00 PM on Tuesday, February 7th, instead of the regular date of February 14th. Why not plan to bring a plane for Show and Tell? ☺

TCRCOnline.com

You Should Be Using It!

From The Co-Pilot's Seat

By Chris O'Connor

Here we are into February and hopefully you have a good start on that kit you always wanted to build. People say they don't have time, but if you set some time aside every week and keep at it you will be done building before you know it. Remember winter is also a good time to build!

We had the first workshop tour at my place last month and I think everyone had a good time. This is a great way to see how others have there shop setup and maybe you can get ideas on your own shop. I still need volunteers to open up their shops, its fun, so please give me a call with your time to sponsor a shop tour. (Phone No. 952-473-5210).

At the last meeting we had a program on jets, turbines, and related products. This was given by Dave Schwantz, a true expert in jets. THANKS DAVE! For those that missed the program, you really missed a good topic and some beautiful aircraft.

you, so come and see what they are all about. I know you will enjoy yourself.

Don't forget the TCRC Auction on February 11th, bring something to sell, or buy something, or come to donate you time helping your fellow members at the auction. See you there! ☺

ParkZone Electric Models From Horizon Hobbies

by Dr. Alexander Szemere
AVP AMA District II

Here is some information for all of you who may be worried about the influx of park flyers and their impact on our channels --especially after the holidays. As an aside, almost all of the models sold at toy and department stores operate on the 27 and 49 MHz frequencies -- far from our 72 MHz channel frequencies.

Horizon Hobbies is marketing a series of electric park-flyer-type models under the brand ParkZone. These models come complete with a radio system installed. Some models in this line operate on 72 MHz. It's possible (expected) that some who purchase these models may be operating them at places other than what we think of as traditional model flying fields. Horizon recognizes this, and in an effort to minimize the potential of radio interference they have limited the channels these models operate on to six: 17, 19, 21, 50, 52, and 54.

(Reprinted from newsletter of the Tri County RC Club, Butler, New Jersey, John Donnelly, Editor.) ☺



Dave Schwantz and his great looking T-33 at the January meeting.
(Photo by Jim Cook)

Plan on attending the meetings for more fun and informative topics. The next meeting will be a kit review of Jim Millers new kit, the Extra 300L. I'll bring mine as an after and you can see the before. Up coming programs will include: Wayne Seiwert-Aerotech Models; Dave Anderson on plans scale topics; Ted Carl on the finer points of Monokoteing, giant scale, electrics, helicopters. These programs are for

Calendar

- Feb. 4 All Season Flyer
CD: Rick Smith

- Feb. 7 TCRC Membership Meeting, 7:00 PM
Fellowship Hall
CrossPoint Church
Bloomington

- Feb. 11 TCRC Auction
St. Peter's Church
Richfield, MN

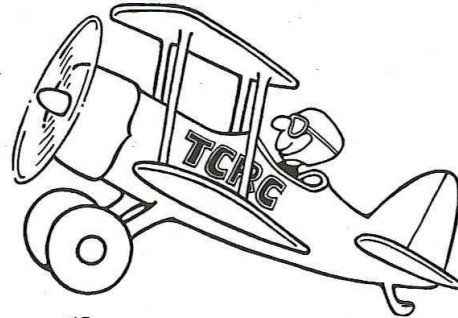
- Feb. 18 Kit Building Workshop, 9:00 AM
CrossPoint Church

- Feb. 18 Shop Tour

- Feb. 21 Auction Review Board Meeting

- Feb. 25 Kit Building Workshop, 9:00 AM
CrossPoint Church

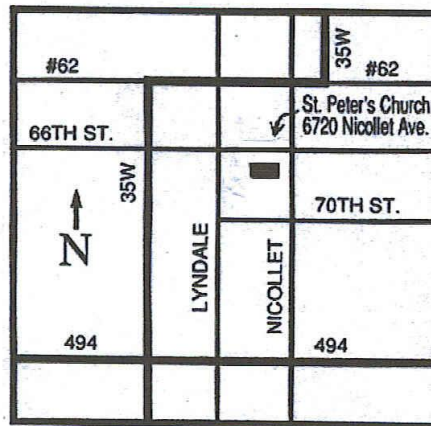
- March 4 Winter Fun Fly
CD: Bill Jennings



TCRC 30th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS – MINEAPOLIS AMA CLUB #383

SATURDAY - February 11, 2006



What's for Sale?

- R/C Airplanes
- R/C Airplane Kits
- R/C Airplane Engines
- R/C Airplane Radio Systems
- R/C Aircraft Related Accessories and R/C Aircraft Support Equipment
- *No Cars, No Boats, No unrelated Stuff*

Where:

St. Peter's Catholic Church
6720 Nicollet Avenue
Richfield, Minnesota

When:

REGISTRATION Begins at **8 AM**
AUCTION Begins at **10 AM**

Details:

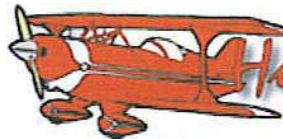
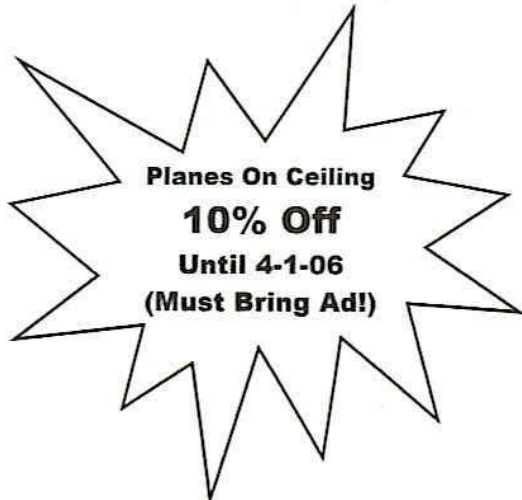
- **\$3.00** Admission: *Includes Bidders Card*
- **\$ 20.00 MINIMUM OPENING BID** (to speed the auction! Nothing will be sold for less than \$20)
- 10% commission
- Seller **MUST** attach a brief description to Each Item being sold
- **Pre-Registration Available for Sellers**
- **BUYBACKS AT 10% UP TO A MAXIMUM FEE OF \$20**

Raffle & Concessions!

- Hot Coffee & Donuts
- Soda/Pop
- Hot Dogs & Chips

Questions?

Call **Jim** 952-445-5257 or **Scott** 952-934-1471



Hobbywarehouse

7144 Chicago Ave. S. Richfield, MN

Hours:

Mon - Fri 10 - 7
Sat 10 - 6

Best Prices In Town!

Closed Sundays

Tom Steinmueller, Owner

612-861-5587

Safety And The TCRC Field Rules

by Larry Couture

(Editor's Note: Starting in this issue, our newly appointed Safety Officer, Larry Couture, will have a monthly column devoted to any and all safety issues that could arise in our club and in our hobby.)

We all at some time or other have broken the rules but the rules are for our safety.

There are 20 rules in the back of the club roster which should be reviewed by all members from time to time as they are easy to forget or break.

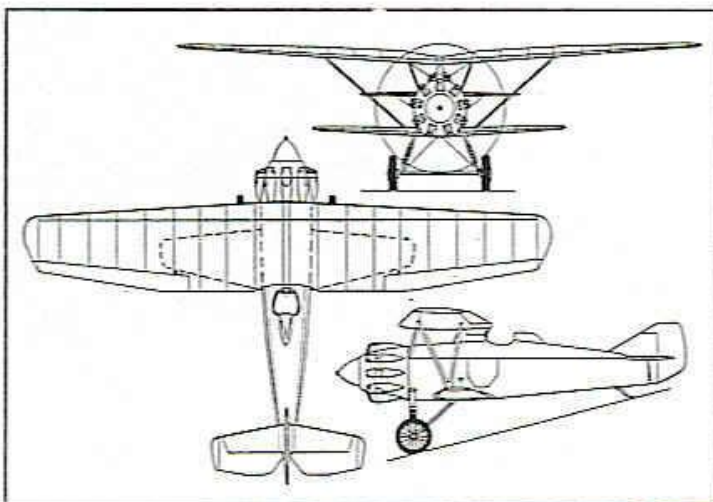
Rule 15 is the most often broken or forgotten rule of the 20. It states that 'the pilot shall announce his intentions LOUDLY for take offs and landings', which seems to be easy to understand. But what this rule should also say is that the other pilots should acknowledge that they have heard and understood what was announced before the pilot executes the procedure. If this is done the safety for all involved will be greatly improved.

One other thing that has been brought to my attention is that all cars or trucks should be parked in the parking lot area and by no means out by the pit area. If we don't do this the first thing we know the shelter and all will become the parking lot.

In the coming months I shall try to pick out various rules to expound on so as to make us more aware of their importance and to understand why the rules are necessary.

Thanks for reading and safe flying to all 'til next time.

February Mystery Plane



TCRC Dues Deadline

by Pat Dziuk

TCRC dues payment is now past due.

For 2006, the TCRC dues are:

Regular:	\$75
Junior:	\$30
Social:	\$30

For new members, the club initiation fee (a once per lifetime fee) has been reduced to \$25 for regular members and \$12.50 for junior members. New members joining after October 1st will pay the full dues rate which will cover the remainder of the current year and the entire next year plus the one time initiation fee.

Take the time to renew your TCRC membership today. Dues not paid by February 24 may cause you to be omitted from club roster printing. Send your check and a copy of your 2006 AMA membership card to John Dietz, TCRC Treasurer. His mailing address is 8609 Oxborough Avenue South, Bloomington, Minnesota 55437. ☺

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.

New Members

Lots of new members joining TCRC in January.

Steve Meyer lives with his wife Sandy at 8724 Valley View Place in Chanhassen, 55317. Their phone number is 952-448-5877 and his e-mail address is sbmeyer1950@hotmail.com. Steve has been flying R/C for 25 years and was a participant of the TCRC Blue Eagles Flying Team many years ago.



Jon Perry at January Meeting

Jon Perry lives at 5205 Portland Avenue S in Minneapolis, 55417. His phone number is 612-822-9612 and his e-mail address is jperry@goldengate.net. Jon is new to R/C and will be looking for an instructor.

Chuck Ellis lives with his wife Carol at 4716 W. 99th Street in Bloomington, 55437. Their phone number is 952-831-8441 and his e-mail address is cellis1@mn.rr.com. Chuck is new to the hobby and his current plane is a Nexstar Trainer.

Richard Patch lives with his wife Lois at 10419 Brown Farm Circle in Eden Prairie, 55347. Their phone number is 952-829-9147 and his e-mail address is dapatche@msn.com. Richard is a former member of TCRC and currently has an Eagle and a J-3 Cub.

When you see Steve, Jon, Chuck or Richard at a meeting or at the field, be sure and introduce yourself and welcome them to TCRC. ☺

TCRC Raffle February 11th

Every member of TCRC should have received 18 raffle tickets in the mail during the month of January. It is hoped that every member will sell those tickets or buy them himself. This pre-selling of the tickets is meant to cover all of the costs of the raffle, so that those tickets sold during the auction become the profit for the club.

CD for the raffle, Gerry Dunne has lined up some very nice prizes, sold to the club at reduced prices by Hobby Warehouse. Those prizes include a Futaba 6EX PCM Computer Radio, an E-Flight Edge 540 Electric ARF, and an OS Max .46 Engine.

You do not need to be present to be a winner at the TCRC Raffle. Please be sure and send your ticket stubs and money to Gerry at 8001 Upton Avenue S., Bloomington, MN 55431 right away. The drawings will take place during the TCRC Auction. ☺

AMA Dues Payable Now

Every AMA member should have received his membership renewal notice in the mail in October.

2006 AMA dues are:

- Regular \$58
- Senior \$48
- Junior \$1

To qualify as a senior member, you must be over age 65 on July 1, 2006.

AMA lists December 15th as the deadline to renew your membership without the risk of interruption of your *Model Aviation* subscription. However, this year AMA also states that any member that renews his/her membership by March 31, 2006 will be automatically entered in a sweepstakes for a \$5,000 ARF airplane.

Remember, every TCRC member is required to be a member of AMA at the time that he/she renews his/her club membership.

There are four ways to renew your AMA membership – online at www.modelaircraft.org; by telephone at 1-800-435-9292; by fax at 1-765-741-0057; or by mail using the envelope enclosed with the renewal notice.

Take the time to renew your AMA membership today. ☺

Solvent Toxicity

by David Rosenberg

(Technical Editor's Note: Know your solvents — they can be very useful but can have serious health repercussions if used without sufficient ventilation. Never use an ordinary electric fan to "suck" air out of a room where solvents are in use — instead set up your workroom so the fan blows air through and out of the room.)

Note: Fire point: The temperature at which a material will take fire when exposed to a small flame.

Acetone

(Dope thinner, both Nitrate, and Butyrate)

Boiling Range: 130°-134°F

Fire Point: 0°F.

Toxicity: Acetone is a mild narcotic, skin irritant, and has a defatting action on the skin. Prolonged inhalation may cause headaches.

Storage: Use minimum volume containers, either High density polyethylene (HDPE) or Polypropylene (PP). They have low vapor transmission, minimizing evaporation.

Safety Precautions: Use with gloves and eye protection in well-ventilated area.

This is a very dangerous and underrated solvent. Store it in sealed, solvent-proof containers in a cool place away from ignition sources such as a furnace or gas tank heaters. Do not store in a refrigerator. Accumulated fumes can be ignited from a spark from the exposed door switch.

Underwriter's Labs have confirmed home explosions from flammable solvents stored in refrigerators.

Methyl Alcohol

(Methanol and Wood alcohol)

Boiling Point: 146°-153°F

Fire Point: 52°F (open cup)

Toxicity: It has distinct narcotic properties. It is a cumulative poison, affecting the nervous system, especially the optic nerve, causing optic neuritis and blindness. It is an irritant to mucous membranes and skin can become dry and cracked because of the solvent action.

Isopropyl Alcohol

(Isopropanol)

Boiling Point: 175°-178°F

Fire Point: 67°F (open cup)

Toxicity: Not rated as a toxic compound but it is an irritant to mucous membranes and eyes and is a mild narcotic.

Rubbing alcohol is a mixture of 70% Isopropanol, and 30% water. It should be stored in bottles made from HDPE which has a low vapor transmission and minimizes evaporation. It is an excellent industrial degreaser. I have used it successfully for decades at both General Electric and General Motors to clean both metal and polymer surfaces prior to adhesive bonding. Its flammability is one of its drawbacks.

(Reprinted from the newsletter of the Willamette Modelers Club, Albany, Oregon.) ☺

Next Meeting On February 7th

Remember, the February membership meeting will be held on the first Tuesday – February 7th, at the normal meeting place of CrossPoint Church in Bloomington. The start time will remain at 7:00 PM.

This change has been made so that the meeting does not coincide with Valentine's Day which is always February 14th.

Mark your calendars and don't miss this meeting. Not only does VP Chris O'Connor have a great program lined up featuring the Jim Miller's Extra 300 L kit, but final details will be completed for the 30th Annual TCRC Auction which will be held the next Saturday, February 11th.

We'll see you at the TCRC membership meeting on Tuesday, February 7th. ☺

TCRCOnline.com

TCRC's website, TCRCOnline.com has become one of the nicest R/C sites on the internet.

Pat Dziuk, the webmaster for the site has given the home page a face lift, and it is even easier to use now than it was previously.

Every member should take the time to visit TCRCOnline.com and see all of the great tools the club has on this website. ☺

Let's Go Flying!

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

A Neat R/C Workshop



For those members who have been part of the 'Workshop Tours' that President Bill Jennings and VP Chris O'Connor have initiated, you visited this shop in January. This is just one of the benches in Chris's Workshop. He turns out some great giant-scale from this shop. ☺

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.

2006 Officers

President	Bill Jennings	952-440-6300
Vice President	Chris O'Connor	952-473-5210
Secretary	Pat Dziuk	952-445-3089
Treasurer	John Dietz	952-831-1257

TCRC Flare-Out

Editor	James R. Cook	952-445-5257
Publishers:	Pat Dziuk	952-445-3089
	& Mike Timmerman	952-496-1631
Website:	http://www.tcrconline.com	