



December

Minneapolis, Minnesota U.S.A.

2005

TCRC Members Celebrate At Annual Banquet

by Jim Cook

Sunday, November 13th found about 40 TCRC members and their spouses assembling at Dangerfield's Restaurant in Shakopee for the Annual Banquet.



Just a few of the many members and spouses that attended the TCRC banquet. (Photo by Scott Anderson)

Start time was 5:00 PM for cocktails and social hour and the downstairs arrangements at Dangerfield's were nice and roomy. Bill Jennings had put together the continuously-running slide show presentation depicting photos from all of the club's 2005 activities.

At 6:00 the buffet line opened and the participants enjoyed a very nice selection of entrees and side dishes. All in attendance said the food was very delicious and Dangerfield's did a nice job of catering.

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TCRC Dues Change

by Pat Dziuk

After careful consideration the TCRC board has approved a dues increase for 2006. TCRC annual dues will be \$75 for regular members, \$37.50 for junior members and \$30 for social members. An early renewal rate of \$60 for regular members or \$30 for junior applies if renewal payments are mailed to the TCRC treasurer and are post-marked by January 15, 2006.

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.

This dues increase was deemed necessary due to important maintenance projects that are required to keep our flying field and facilities in good shape.

A dues notification will be mailed to each member around December 5th. Please take the time to review your personal information and send in the renewal form and check to John Dietz - TCRC Treasurer. Send it in early to qualify for the reduced rate.



From The President's Hangar

by Bill Jennings

As I write this inaugural column as TCRC president for 2006, I'm experiencing some mixed emotions . . . I'm certainly excited at the prospect of helping to guide TCRC through another year in its long and successful history. I also feel a sense of anticipation for the additional experiences the New Year will bring to the club and for me, personally. But, I'm also feeling a little sad that the 2005 flying season is quickly coming to an end. I know it will be many months before the warm weather flying returns to Minnesota . . . I'm beginning to realize that there are only two annual seasons that exist for Minnesota RC pilots - Flying and Building.

What a *great* year this has been for me! I started the year 2005 as an eager novice pilot with a shiny new trainer. My quivering knees and sweaty palms were gradually replaced with an eagerness and anticipation for the next flight. With the help of many club members who were willing to share their time, skills, and advice with me, I've actually learned to fly! And fortunately, a few crashes during the year provided some humbling experiences at just the right moments to prevent any leanings toward overconfidence . . . In addition to providing help in improving my flying and building skills, one of the benefits of club membership is the opportunity to

establish new friendships. I feel fortunate to have found some very compatible individuals with whom to share my flying and building time. I look forward to becoming better acquainted with additional members through the coming year, and to see the list of friends grow.

I'd like to take this opportunity to thank the outgoing 2005 officers, Jay Bickford and Gerry Dunne, for their hard work and numerous contributions to the club this past year.

I'd also like to welcome the 2006 officers and board members – Chris O'Connor, new vice-president; John Dietz, continuing as treasurer; Pat Dziuk, continuing as secretary; and continuing board members Scott Anderson, Jim Ronhovde, and Mike Timmerman. This is a strong, experienced, and very talented team and I look forward to working with each of them.

So, what's NEW for 2006?

As the New Year begins, I'd like to see the club focus on three things: The first is to put into place a more formal Flight Instruction program. This will help new members to earn their wings and novice pilots within the club to improve their flying skills. If there's sufficient interest shown by the more experienced fliers, a second program may be developed to provide instruction in pattern and aerobatic flying skills.

The second is a renewed emphasis on flying field safety. We obviously assume a greater risk while flying than say, watching TV at home (unless you tend to choke on your pretzels!).

Thankfully, most of the accidents that occur cause only minor injuries. However, today's powerful engines and faster flying speeds pose significant risks that must be effectively managed in order to maintain a reasonably safe flying environment. The club Safety Officer can't assume responsibility for maintaining safe flying field conditions – it's everyone's responsibility!

The third is to provide some new events and activities. This past summer I was fortunate to be able to attend some events put on by other RC clubs in the area. I was totally amazed by some of the planes I saw and the flying skills demonstrated. Most importantly, I came away with ideas for some new activities in which TCRC members might enjoy participating. You'll be hearing more on these three subjects in the coming months.

During the next few weeks the club officers and the board will be busy planning the 2006 Event Schedule. Once finalized, the schedule will be published in the *Flare Out* and posted on the club website: www.tcrconline.com. However, why not plan to attend the next general membership meeting scheduled for Tuesday, Dec. 12th and hear the exciting details in person? Also, for those of you unable to attend the Annual Banquet, an enhanced version of the "TCRC Year in Review" slideshow presentation will be shown again at this meeting.

By the way, If you have some suggestions for improving the flying field, the meeting programs, or club flying events, please let me

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TCRC Banquet

Continued From Page 1

Following the meal and dessert, president Jay Bickford officially welcomed all of the members and recognized those attending their first banquet. He then did a year-in-review highlighting the many events that the club sponsored in 2005.

Next, Jim Ronhovde was called on the make the club service awards. These are patches that recognize a person for every 5-years of membership in TCRC. (See article on page 8). This was culminated with the awarding to Bruce Anthony with his 40-year patch.

Then Jay introduced the Walt Billett Award committee which consisted of the last three award winners – Dave Andersen, Conrad Naegele and Jay Bickford. The committee reviewed the many accomplishments the 2005 winner had made in the year before calling up Pat Dziuk to accept his award. (See article on page 5). All in attendance felt that Pat was a very deserving member to win the award.

Jay next recognized the outgoing 2005 board of directors and the incoming 2006 board.

The evening's entertainment consisted a game of Trivial Pursuit with six different teams. The contestants fielded questions in categories such as airplanes, TCRC, Old Movies, Lingerie, Pickles, and many more. The game was hotly contested with the winning team being awarded gift certificates.

Thanks to all who attended to make the 2005 edition of the TCRC banquet very enjoyable. ©

Great Slide Show Bill!



Bill Jennings put together a very interesting continuous slide show from over 600 pictures from 2005 club events. (Photo by Jim Cook)

TCRC Trivial Pursuit Had Some Very Different Categories

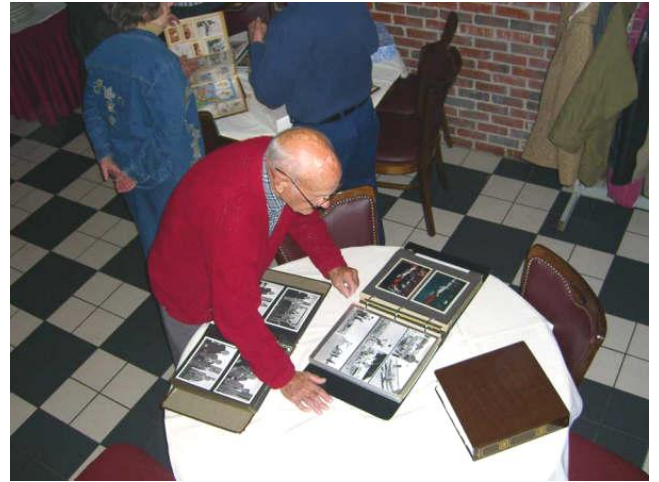


Jay Bickford and Jim Cook preside over the Trivial Pursuit Game (Photo by Scott Anderson)

Pictures From The 2005 TCRC Banquet



Dave Andersen, Shirley Anthony and Jim Miller enjoy a great meal at the banquet.



Bruce Anthony reminisces over club pictures from the early years of TCRC.



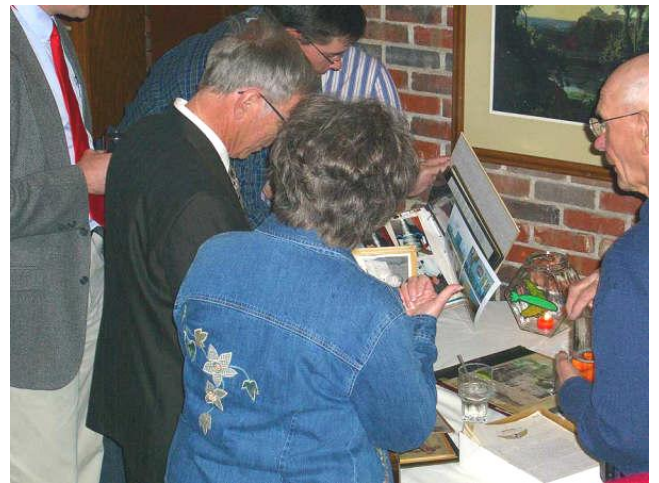
President Jay's Year-In-Review had lots of highlights for a very successful year for TCRC.



Everyone who attended the TCRC Banquet at Dangerfield's had a great time.



Jim Ronhovde presents Jay with his 5-Year patch.



Club history got a lot of attention at the banquet.

Pat Dziuk Presented Walt Billett Award

by Jay Bickford

At the TCRC Annual Banquet, Pat Dziuk was given the club's highest honor, the Walt Billett Award.



**Pat Dziuk is presented the Walt Billett trophy by the award committee, Dave Andersen, Conrad Naegele and Jay Bickford.
(Photo by Jim Cook)**

This award is presented to that member who has best personified the purpose of the club during the year: "To preserve, encourage, and further develop the hobby of building and flying radio controlled model airplanes." The recipient is selected by the award committee which consists of the previous three winners of the trophy. That committee consisted of Dave Andersen, Conrad Naegele and Jay Bickford.

In selecting Pat, the committee said that Pat could always be seen helping out on workdays at the field and at all club events. He is always in attendance at the regular meetings. He puts in lots of time at the field in flying, including the winter months. He has served as club secretary for the year 2005 and recently was re-elected to that position for 2006. He was instrumental in the development and building of the new airplane assembly benches for the field. His efforts have streamlined the printing and distribution of the *Flare Out* newsletter. And his most obvious accomplishment is the design and maintenance of the club's website, TCRCOnline.com, which is arguably the best flying club website in Minnesota.

Those members in attendance at the banquet fully agreed with the committee's choice and gave Pat a hearty round of applause.

Congratulations to Pat for an honor well earned. ☺

Calendar

- Dec. 13** TCRC Membership Meeting, 7:00 PM
Fellowship Hall
CrossPoint Church
Bloomington
- Jan. 15** TCRC Dues Deadline
Without Penalty
- Feb. 11** TCRC Auction
St. Peter's Church
Richfield, MN

The President's Hangar

Continued From Page 2

know. TCRC exists to serve its members, so please don't hesitate to share your ideas or criticisms. I'm easy to reach during the day at 952-440-6300, or you can e-mail your suggestions to: president@tcrconline.com.

Here's wishing everyone a happy and safe Holiday Season, and that you receive all of the items on your RC 'wish list'. ☺

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.

From The Co-Pilot's Seat

By Chris O'Connor

This is my first article as your newly-elected vice president. I had told your newsletter editor I was less than enthusiastic about coming up with an article every month, but Jim convinced me that it would be easier than I thought. We'll see.

My goal as your vice president this year is to provide informative programs on a wide range of topics and also to promote a limited aerobatics program. I would encourage everyone to try some of these maneuvers -- they will help you improve your flying abilities and your confidence when out at the field. Not to mention that they are fun to do and you get a good feeling when you do them right.

Another area I will be presenting programs on and hope-fully sparking some interest is the building of either scale or pattern planes from kits or plans and using ARF's for the time to fly while you are building. Winter is here and what a better time to spend building.

My first program for the membership meeting on December 13th will be either a kit review of Jim Miller's 30% Extra, or starting a plane from plans -- it's not that scary to do, can be a lot of fun and also very rewarding.

Future programs will be on helicopters, giant scale, pattern, electrics, manufacturers, and different building ideas.

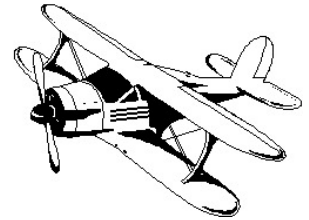
I'd like to challenge everyone to build a plane from a kit or plans instead of another ARF. As a side note there is a scale group here in town called Minnesota Scale Flyers. They meet the last Friday of the month, October thru April at 7 PM at the Richfield American Legion on 66th and Portland. It's very interesting and some of the best scale guys and planes from the Twin Cities are members.

It is with a very sad note for me to relate that long-time member John Nauman passed away on Thanksgiving Day. He was a member of TCRC for 34 years and a member of the Blue Eagles flying team

when we had the group here in the club. He will be missed. Our prayers go to his wife Mary of 40 plus years, his two daughters, his grandkids and family.

That's it for this month's column. Let's see a good turnout at the next meeting. Don't forget to bring in that new airplane for Show & Tell. ☺

Show & Tell



Another neat airplane showed up at the November 8th membership meeting.



Larry Couture and his Tower Voyager at the November 8th meeting. (Photo by Jim Cook)

Larry Couture seems to have a new plane at every meeting. He is obviously very prolific on aircraft construction, although he specializes on ARF's. He stated that he has 32 planes built and 14 ready to fly right now.

Larry had his new Tower Voyager ARF which he purchased for only \$100. It had a white fuselage and red wings with blue and white sunrays going toward the trailing edge. It was powered with a .46 Tower 2-stroke. Larry said it only took him 6 hours to construct the Voyager. As of the meeting the plane had not yet had its maiden flight but he was hopeful to fly it very soon. ☺

TCRC's New Officers For 2006



Six of the seven members of the 2006 board of directors were present at the TCRC banquet on November 13th. (Photo by Jim Cook)

Election night on Tuesday, November 8th at the TCRC meeting had one of the largest turnouts of members and was exciting with multiple candidates for the positions of president and the two board seats. Scott Anderson and Jim Cook were the nominating committee and they supervised the elections.

Jim Miller and Bill Jennings were vying for the president's position, and the voting was very close with Bill Jennings winning the position for 2006.

Chris O'Connor was elected to the vice president's position, Pat Dziuk re-elected as secretary and John Dietz re-elected as treasurer.

Two of the three director seats were up and there were four candidates for them – Jim Ronhovde, Gerry Dunne, Mike Timmerman and Dave Maurer. When the votes were counted, Jim Ronhovde and Mike Timmerman were awarded the seats. They will join incumbent Scott Anderson as the three directors on the board.

It was very refreshing to see the large number of candidates for the board positions and the large number of members who came out to elect the board.

Thanks to all of the candidates who ran for office, all of the members who voted, and to Scott and Jim (with Jay Bickford's help) who ran the 2006 elections. ☺

Dome Flying Set For December 9

Marcee has scheduled several days at the Metrodome for indoor flying. This is normally an event for only Marcee members and their guests, but Jim Cook asked Dan McArdell of Marcee if 6 to 8 pilots from TCRC might fly with them on Friday, December 9th. He thought that would be great!

Basically, the rules to fly at the Dome are 20-20-20. The plane must be electric, weight 20 oz. or less, fly at 20 mph or less, and have a maximum time in the air of 20 minutes.

Marcee members fly at a cost of \$5/day and their guests fly at a rate of \$10/day. By the way, Marcee membership cost is \$15, so for \$20 you could become a member of Marcee and fly at the dome for a day.

Since we can only take 8 members, this will be on a 'first come – first serve selection. This article is on the home page of TCRConline.com and there is a sign-up sheet in the Forum on the website. If you are interested, sign up at the website or give Jim Cook at call at 952-445-5257 or e-mail him at jimcook888@mn.rr.com. Flying is from 8:00 AM to 5:00 PM but I think our contingent will select a time that fits everyone's schedule.

For additional info see Marcee.org for the 'Dome Flying Rules'.

This should be a pretty neat outing! Plan on being part of it. ☺

TCRC'ers Get 2005 Service Awards

by Jim Ronhovde

The TCRC Annual Banquet is always the place where members who have been in the club for a multiple of 5 years are acknowledged for that tenure with the awarding of patches to honor that service.

As usual, club historian Jim Ronhovde presided over the presentation of the awards.



Jim Ronhovde presents Bruce Anthony with his patch for 40 years of membership in TCRC. (Photos by Scott Anderson)



Jim Cook receives his 20-year service award from Jim Ronhovde.

The 2005 recipients of their TCRC service awards were:

5 Year

Tom Barron
Jay Bickford
Dave Maurer

10 Year

Orv Schneewind
Brian Duncan

20 Year

Jim Cook

30 Year

Stan Vondraschek

35 Year

Morgan Larson

40 Year

Bruce Anthony
Ken Duncan

Jim explained that the service awards make the assumption that those members receiving the awards will be renewing their membership for the next year.

Those members earning patches that were present at the banquet received them at that time. Those not present should contact Jim to receive their patches.

Thanks to historian Jim for maintaining the records to make these awards possible. ☺

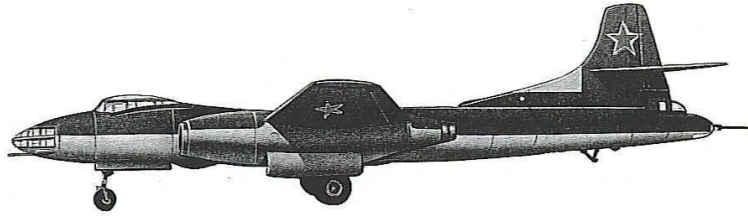
TCRCOnline.com

Use It!

Ilyushin IL 28 'Beagle'

by Conrad Naegele

The November Mystery Plane was the Russian Ilyushin IL 28 'Beagle'.



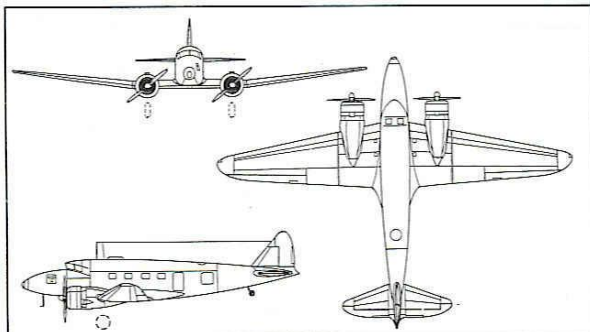
As WWII drew to a close, Russian national paranoia became very evident. Although Russia did have original heavy bombers, they were evidently envious of our B-29. When circumstances provided some interred examples they copied them exactly, even down to the forged rudder pedals with the words 'Boeing' on them! This, of course, was the TU-4. The Soviets were not content with these replicas however, and watched while its ex-ally (read U.S.) forged ahead with its own heavy bomber program. Soviet designers first launched the Tupelov TU-14 (code named Boson). Good, but still not the answer.

A second very successful design (again not really original – I refer to the North American RB 45 Tornado, and the English Electric 'Canberra') the Ilyushin IL 28 was an elegant competent airplane. The prototype first flew on August 8, 1948 and stayed in first line service until 1968. About 10,000 were built in a great many variations, including a torpedo bomber version!

Examples were sold to many Warsaw pact nations, including Czechoslovakia, Poland, Algeria, Egypt, North Korea, China and Finland. Production was finally ended with the arrival of the improved and larger Badger and Bison.

The Beagle had a wingspan of 70 feet, a maximum speed of 559 mph and a range of 715 miles. ☺

December Mystery Plane



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. ☺

**Have A Very Merry
Christmas And A
Happy New Year!**

TCRC Auction Concession Crew

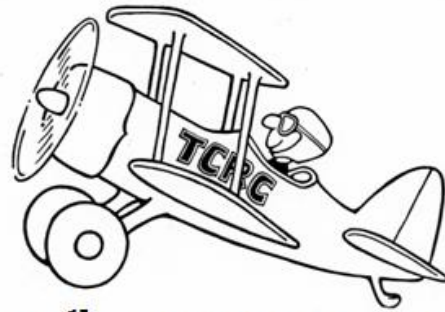
by Kathy Dietz

It is hard to believe that the TCRC annual auction is just a couple of months away! How time flies! The auction is scheduled for Saturday, February 11th at St. Peter's Church in Richfield.

I will be the chairperson for the concession stand at the auction again this year, and we will be needing lots of help to keep the shifts full during the event.

If you are interested in joining the 'Kitchen Crew' this year, please give me a call at 952-831-1257. You can pick your hours! This is always a fun time for the ladies to catch up with what has been happening with each other.

We will also be looking for donations of cookies and bars to sell at the concession stand. Even if you can't find the time to work at the stand, it would be great to have you cook a batch of cookies or so. ☺



TCRC 30th ANNUAL AUCTION

TWIN CITY RADIO CONTROLLERS - MINNEAPOLIS 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

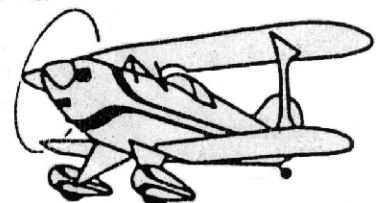
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Winter Airplane Storage

Since the snow will be flying very soon (if it hasn't already), many AMA members may not be flying for quite some time. For those who don't intend to fly on skis, the following suggestions may help to preserve your model over the winter months and allow you to get back in operation quickly when the snow disappears next season.

Airplane

Be sure to give the entire airplane a thorough cleaning to remove all traces of exhaust residue. Check the covering to be sure the fuel is not creeping under seams around the firewall and areas around the exhaust outlet, soaking the balsa. If so, make the repairs during the off season while you have some extra time. Check the fuselage and flying surfaces closely for cracks or other damage. Check the servo arms, control horns, clevises, pushrods and/or control cables for excessive wear or damage. The plane can be stored indoors or outdoors in the garage; the constant cold temperatures can be tough on batteries but otherwise don't seem to cause any problems. The only problem that could occur would be if you stored it in, for example, a workshop that is heated occasionally and then allowed to cool down after use. This could result in damage to the engine due to condensation and probably to the balsa or covering material due to temperature changes. If you store the plane on a wall, it should not be supported on the nose as this could damage the engine bearings. Support it by the tail structure or similar means. If the

wing is removed, do not stand it on end. Support it similar to the way it is normally mounted on the fuselage. Do not leave the weight of the plane resting on the tires if you don't store it vertically.

Engine

The major concern regarding engine storage is to remove all the glow fuel from the inside of the crankcase and cylinder to prevent rust formation on the bearings, crankshaft, etc. The best advice is to remove the engine from the plane, remove the glow plug and backplate, and flush the inside out with a solvent such as kerosene. While the backplate is off, check it over for signs of rust, bearing failure, etc. After cleaning, generously oil the bearings and cylinder with lubricant such as one of the after-run oils or Marvel Mystery Oil. After it is well oiled, reinstall the backplate and plug and place it in a sealed plastic bag along with the mounting hardware until next season. If you decide not to remove the engine, at least remove the glow plug, pour some oil into the carburetor and spin the engine over clockwise and counterclockwise to distribute the oil through the bearings. Add some oil through the glow plug hole, turn the engine over slowly a few more times and reinstall the glow plug. Remove the prop if it is made of wood. Put a plastic bag over the engine to keep dust and dirt out.

Batteries

Ideally you should cycle the transmitter and receiver batteries and record their capacity for reference next season. If they are doubtful, cut the connector off and throw them away and buy new next season. It is best to leave them on a trickle charger to maintain a charge during

the off season. If this is not practical, try to charge them at least every one to two months. When ready to fly again next spring, cycle the batteries first to be sure they have adequate capacity.

Transmitter/Receiver/Servos

Don't forget to check over the servo wiring and connectors. If there is any sign of corrosion on the connectors, get them replaced. Also, check the output shaft for looseness. Check the receiver antenna for damage. If there are any doubts, get it fixed or replaced. Extend the transmitter antenna and clean it with alcohol. Collapse the antenna and repeat the cleaning several times. (There are contact fingers inside each antenna section that may become coated with oil, preventing proper contact between sections, greatly reducing the transmitting range.)

Fuel

If you have fuel left, be sure it is capped tightly and store it in a cool place out of the sunlight. Some recommend against storing fuel in very cold temperatures, but I have not had any problems doing this in the past.

Starter Battery

If you have an electric starter hookup, remove the 12-volt lead acid battery, clean the terminals and check the electrolyte level. Add water if necessary. This battery **MUST BE CHARGED** if stored outdoors during the winter. A monthly charging will keep the battery from freezing and also extend its life.

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November Flying Isn't That Bad!



A group of the 2005 AMA All Season Flyer candidates met at the Jordan field in November to get that month's flight in. Dress for the day was sweatshirts or light jackets and the flying was pretty nice. ☺

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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