



November

Minneapolis, Minnesota U.S.A.

2004

The Third Time Is the Charm

by Jay Bickford



The many pilots that showed up for the TCRC Season Finale pose for a quick picture. (Photo by Jay Bickford)

After two failed attempts to hold the annual TCRC Season Finale on Saturday, October 16th, and Saturday, October 23rd, we finally got the weather to cooperate on Sunday, October 24th. And what a great day it was! Temperatures in the 60's with just a very light breeze in the afternoon made for great flying all day long. And the TCRC'ers that came out made the best of the late season warmth and flew right up to the time that I left at 4:00PM. I think this year's Season Finale will go down in the record books as one of the best ever.

The unofficial count of flyers in attendance was 28, but there were several wives and children that came along as well. All in all there were about 35 to 40 individuals that came out to enjoy the beautiful fall day.

We got the grill started at about 11:30, and the brats and hot dogs were ready to serve at about 12:15. Gerry Dunne helped me out with the grilling for which I am thankful. Many folks also brought along treats to share, so there was more than enough food to go around.

Gerry Dunne again served as our Grim Reaper and placed the planes that lost their lives throughout the past year on the funeral pyre. However, Gerry decided that one of the planes was not so far lost as to be beyond resuscitation, so he decided to take it home and attempt to breathe new life back into the old bird. So here we have it. Gerry is playing the part of both the "Angel of Death", and "God, the giver of life." Long life to Gerry!

The spectators in attendance were treated to Jim Ronhovde's T-Bird car soaring through the air as well as Bill Antenhofen's Broom Hilda, as a harbinger to Halloween.

Thanks to all that came out to help with the 2004 TCRC Season Finale! You are the ones that helped make it such a successful event. ☺

From The Cockpit Of The President

by Scott Anderson

Now that was a GREAT October! Only in Minnesota can we expect snow and get +70F instead. I hope you got a chance to get out and enjoy the great weather last month. I got my October flight in early and enjoyed a great sunburn for my efforts. I know that some members (like our editor) have waited until the last minute to get their flights in for their All Season Flyer Patch. Only two more months for the 2004 All Season Flyer Patch!

For those of you who would like to start working on your ASF Patch you can start in January 2005. This is an AMA award and there are some very simple rules. In order to qualify a pilot must fly a radio controlled aircraft, outdoors each month of the calendar year. For TCRC, this means we fly at least once each month in the Twin City area (winter flights in warm climate such as Florida, Texas, or Arizona don't count for TCRC!) We'll be telling everyone of special All Season Flyer date for each month to be held at the TCRC Model Air Park on the web site and in the newsletter. Watch for the upcoming dates.

We've made a change in when your TCRC membership renewals are due. Your TCRC 2005 dues will be due by the end of December 2004. You will find a membership renewal form in this newsletter or on the web site. Be sure to get your renewal in early so we can provide the 2005 Roster early in January.

The TCRC 2004 Elections will take place at the November meeting on Tuesday November 9th, 2004. Be sure to be present at 7:00 PM in order to vote for your new officers. I will be stepping down from being president due to employment commitments that require me to be out of town for nearly 50% of the meetings. You deserve a president that can dedicate more time to ensure that club business is being conducted in your best interest. The TCRC officer and board candidates so are:

President: Jay Bickford

Vice President: Geoff Barber and Jerry Dunne

Secretary: Conrad Naegele (incumbent).

Treasurer:

Board Seat #1: Not up for election

Board Seat #2: Not up for election

Board Seat #3: Orv Schneewind (incumbent) and Scott Anderson

The TCRC 2004 Banquet will be held Sunday November 14th at Dangerfield's in Shakopee. We've reserved the lower level again for the dinner and video entertainment. We'll have drawing for door prizes and a special prize drawing for those members who have not been at a banquet in 3 years. Get your RSVP's and checks into Rick Smith as soon as possible. The Walt Billet Committee has been deliberating for months and they've come to a decision as to who best exemplifies the spirit of the award for 2004. Be sure to attend to see who that member is. We look forward to seeing you there!

There will be a joint board meeting November 30th to determine the 2005 schedule and budget. If you are interested in proposing events, or field upgrades, please attend and voice your opinions to the board. The specific location and time will be posted on the web site.

Now that we're getting into the building season its time to start thinking about the 2005 TCRC Auction. The auction will be held Saturday February 12th, 2004. Think about gathering your items together to sell this year!

This is my last column as president. I want to thank you for allowing me to help shape the direction of the TCRC for the past 5 years. I hope you'll let me stay on as a board member for next term. I'll see you at the field!

(Editor's Note: A huge thank you to Scott who has been at the helm of TCRC for the past four years. During that time he has been instrumental in initiating several programs that have been directed at the community's youth. He has been a tireless leader and a great proponent of R/C. And you're right, Scott. I waited until Halloween, October 31st to get my October flight toward my ASF patch!) ☺

Pictures From TCRC's Season Finale



A beautiful Christian Eagle makes a low flyby at the TCRC Season Finale.



Jim Ronhovde's Thunderbird cruises through the air at the Season Finale.



The Flight Line on Sunday October 24th was a busy place all day.



Kathy Dietz and Janice Ronhovde's enjoying the nice weather at the Season Finale.



Broom Hilda was seen flying above the Jordan field a good week before Halloween.



Everyone at the Season Finale enjoyed some great food served up by Jay Bickford and Jerry Dunne.

Photos by Jay Bickford

From the Co-Pilot's Seat

by Jay Bickford

The year is drawing to an end, but I think we had a great season of flying in 2004. We topped it all off with a great Season Finale on Sunday, October 24th, but you can read more about that event elsewhere in this issue of the *Flare Out*, so I won't go on about it here.



**The flight line at the Season Finale saw constant action all day during the event.
(Photo by Jay Bickford)**

The next monthly club meeting on Tuesday, November 9th, will bring about our annual election for club officers. If you are interested in serving the club in this capacity in 2005, please contact one of this year's club officers and let them know. As I write this, we are still in need of people to step forward to run for the positions of treasurer and secretary. Please give it some thought and volunteer your time this next year. We can't run the club without people that are willing to serve.

Speaking of people willing to serve, I would like to thank Scott Anderson for the four years he has served as TCRC's president, not to mention the many other positions he has held over the last several years. Scott's enthusiasm for this hobby and his desire to make TCRC the best R/C club in the United States have been instrumental in enhancing TCRC's

reputation in the community and AMA, and also made it very enjoyable to be a member of the club.

The month of November also brings about our annual TCRC Banquet to be held again this year at Dangerfield's in Shakopee on Sunday the 14th, starting at 5:00 PM. Bring your spouse and come on out and join us for a great evening of reliving the past TCRC season, as well as great conversation and creative fun and games. Please get your registrations in to Rick Smith as soon as possible so we can give the restaurant an accurate count of attendees.

Also, don't forget about the annual TCRC Auction coming up on Saturday, February 12th. Be thinking about what you want to sell, and also what you want to buy. This is the biggest R/C auction in Minnesota and its surrounding states. It is also the club's biggest manpower event. Keep your calendar clear so you can be a part of the TCRC Auction.

Until next month



TCRC Banquet Sunday, November 14th

The club's annual auction will again be held in the downstairs room at Dangerfield's Restaurant in Shakopee on Sunday, November 14th.

Social hour starts at 5:00 PM with a cash bar, and the buffet dinner will be served at 6:00 PM. The buffet will include three entrees and also dessert.

The banquet is usually well-attended with members and spouses, and new members are urged to attend. In fact, the club has a special door prize for those members that have not attended a banquet in the past three years.

The cost of the banquet is \$24/person and checks should be either mailed to treasurer Rick Smith at 6507 Manchester Lane, Eden Prairie, MN 55346, or given to him at the next meeting. Deadline for making your reservation is Tuesday, November 9th.

The TCRC banquet is a very enjoyable evening. Take the time to make your reservation today. ☺

New Members

William Jennings became TCRC's newest member in the month of October. Bill lives at 20700 Huntington Way in Prior Lake, 55372. His telephone number is 952-440-6300 and his e-mail address is wbjennings@integraonline.com. He is new to flying R/C and currently has a Hanger 9 Alpha 60 Trainer. He got to the field on Saturday, October 31st and with the help of Stan Erickson, was able to get the Alpha into the air.



Bill Jennings at the field on Halloween, immediately before the maiden flight of his Hanger 9 Alpha trainer. (Photo by Pat Dziuk)

Gerry Dunne, son of member Gerry Dunne Sr., also joined TCRC this month. He has obtained his AMA member, and I am sure will be doing his flying on some of the many electric aircraft that his father loves to build and fly.

If you see Bill or Gerry at a meeting or at the field be sure and introduce yourself and welcome them to TCRC. ☺

TCRC Auction February 12th

The TCRC annual auction is not that far away. It is scheduled for Saturday, February 12th at its usual place in the basement of St. Peter's Church in Richfield, Minnesota.

Start thinking about what you have to sell and what you need to buy at the auction. Also be sure and mark you calendars so you will be available to work. This is by far the biggest fundraiser for the club and also requires the almost every member be available to work a portion of the event. Plan on being at the TCRC auction on Saturday, February 12th as a worker, a buyer and a seller. ☺

Pay 2005 TCRC Dues Now

TCRC has changed the deadline for payment of club dues for 2005. The deadline is December 31, 2004.

The earlier payment will help the club determine its membership and to publish the TCRC Roster much earlier.

The 2005 TCRC dues are:

Adult Flyer	\$50.00
Junior Flyer	\$25.00
Social	\$30.00

For new members, in addition to the above schedule, there is a \$50 initiation fee for adult membership, and a \$25 initiation for junior membership.

If there is more than one member of a family joining, the total family membership is equal to the one highest membership of those joining. For example a husband, wife and junior member that are all flyers, the total dues would be \$50.

If a current member does not pay his/her dues by the deadline, then that member can be subject to a payment of the initiation fee.

Remember, to belong to TCRC as a flyer, you must send Rick Smith a copy of your 2005 AMA card in along with your check.

Payment of dues can be sent to treasurer Rick Smith at 6507 Manchester Lane, Eden Prairie, Minnesota, 55346, or paid to him at a membership meeting. Pay your TCRC dues today. ☺

A Few Interesting Quotes

Compiled by Larry Broman

Keep the aeroplane in such an attitude that the air pressure is directly in the pilot's face. – Horatio C. Barber, 1916.

When a flight is proceeding incredibly well, something was forgotten. – Robert Livingston, Flying the Aeronca.

The only time an aircraft has too much fuel on board is when it's on fire. – Sir Charles Kingford Smith, sometime before his death in the 1920's.

If you can't afford to do something right, then be damn sure you can afford to do it wrong. – Charlie Nelson.

I hope you either take up parachute jumping or stay put of single-motored airplanes at night. – Charles A. Lindbergh to Wiley Post, 1931.

Never fly the "A" model of anything. – Ed Thompson.

Never fly anything that doesn't have the paint worn off the rudder pedals. – Harry Bill.

Keep the airspeed up, less the earth come from below and smite thee. – William Kershner.

Advice given to RAF pilots during WWII: When a prang seems inevitable, endeavor to strike the softest, cheapest object in the vicinity, as slowly and gently as possible.

Instrument flying is when your mind gets a grip on the fact that there is vision beyond sight. – US Navy Approach magazine.

There is nothing more useless to a pilot than the sky above him or the runway behind him. – Author unknown.

The Cub is the safest airplane in the world; it can just barely kill you. – Attributed to Max Stanley, Northrop test pilot.

A pilot who doesn't have any fear probably isn't flying his plane to the maximum. – Jon McBride, astronaut.

If you are faced with a forced landing, fly the thing as far into the crash as possible. – Bob Hoover.

It occurred to me that if I did not handle the crash correctly, there would be no survivors. – Richard Leakey, after engine failure in a single-engine aircraft, Nairobi, Africa, 1995.

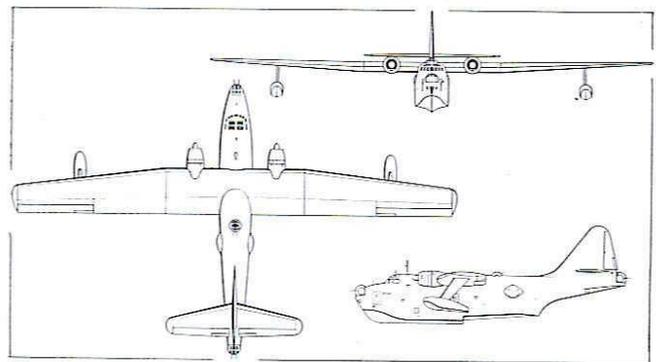
Though I fly through the valley of Death, I shall fear no evil, for I am 80,000 feet and climbing. – Sign over the entrance to the SR-71 operating location at Kadena AB, Okinawa.

The emergencies you train for almost never happen. It's the one you can't train for that kills you. – Ernest K. Gann, advice from the old 'pelican'.

If you want to grow old as a pilot, you've got to know when to push it and when to back off. – Chuck Yeager.

(Reprinted from *The Flightline*, newsletter of the Bay Area RC Flyers, Coos Bay, Oregon, Don Bunyard, Editor.) ☺

November Mystery Plane

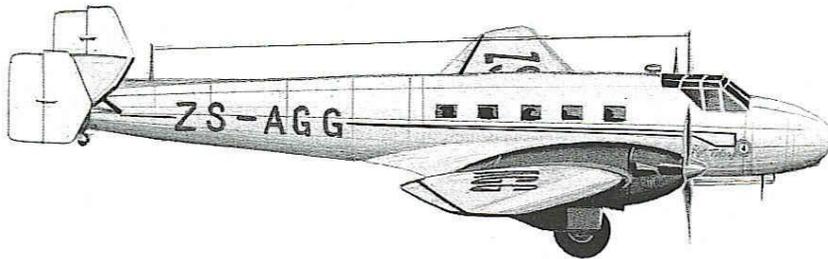


Don't Miss The TCRC Banquet
Sunday, November 14th

Ju 86

by Conrad Naegele

The October Mystery Plane was the Ju 86.



Dr. Hugo Junkers designed and patented a flying wing airplane in 1910, and although it was not built, it started a long and very successful career.

The Ju 88, designed in 1936, by Ernst Zindel, under a joint civil and military requirement, for a fast twin-engined commercial transport or a bomber, was not really an unqualified success, but it had a wide application to many countries. It was of all-metal construction, had retractable landing gear, and initially was fitted with Siemens radial engines, of some 600 horsepower. However, throughout its service life, it was constantly re-engined. It was in production until the early days of WWII, and it was more successful as an import to foreign countries such as Sweden, South Africa and Poland. It was quite adaptable, and in one variant, was fitted with high aspect ratio 105-foot wings, pressurized cabin, and Jumo 207 radial engines of 1,000 horsepower, and had a service ceiling of 49,000 feet. Records showed that this model (the P2) could regularly operate above 40,000 feet. One was intercepted and shot down by an RAF Spitfire VC at an astounding altitude of 15,090 meters (49,500 feet), the highest interception by an un-pressurized aircraft with the pilot wearing an un-pressurized flying suit!

The final version was the R model with a wingspan of 105 feet and the dependable, strong Jumo engines. Only a few were built, the war was winding down. The remaining units were relegated to transport and training duties.

The Ju 86 had a wingspan of 74 feet, a gross weight of 18,028 pounds and carried an armament of 3 machine guns. ☺

AMA Elections

AMA Open members (19 years of age or older) should have received an election ballot with their AMA dues renewal notices that were mailed in October.

TCRC is in AMA District VII. This year there is no District VII VP up for election. However, all District VII AMA members that paid their 2004 dues (last year's dues) are eligible to vote for the position of AMA president.

There are three announced candidates for AMA president:

Dave Brown is the incumbent president running for re-election. He is from Hamilton, Ohio.

Dave Mathewson is from Baldwinsville, New York and is currently the AMA District II VP. He has held that position for the past 4 years.

Bill Oberdieck is from Southgate, Michigan and is currently the AMA District VII VP. He has held that position for several years.

Included with your dues renewal notice were the campaign statements for each of these candidates.

The ballot included in the mailing must be post marked no later than November 12, 2004. No postage is necessary to mail the ballot.

Take the time to complete your AMA ballot and exercise your voting rights. Be sure and have it postmarked before the November 12th deadline. ☺

**Be Both a Candidate And A Voter At The
TCRC Elections**

TCRC Elections November 9th

TCRC elections are to be held at the next meeting on Tuesday, November 9th.

This year, we have all four of the officer positions and one of the three board seats up for election. As of press time, we have these candidates for those positions:

President: Jay Bickford
 Vice President: Jerry Dunne and Geoff Barber
 Secretary: Conrad Naegele (Incumbent)
 Treasurer:
 Board Seat: Orv Schneewind (Incumbent) and Scott Anderson

TCRC has a great club and one of the things that makes TCRC great is the participation of so many of the members in its programs and events. Consider being a candidate for office at the TCRC elections, and by all means be sure to be there to vote. ☺

Calendar

- | | |
|---------|---|
| Nov. 9 | TCRC Membership Meeting, 7:00 PM
Room H195
Hennepin Technical College
Eden Prairie |
| Nov. 9 | TCRC Elections |
| Nov. 12 | Postmark Deadline For AMA Election Ballot |
| Nov. 14 | TCRC Banquet 5:00 PM
Dangerfield's Restaurant, Shakopee |
| Nov. 30 | TCRC Joint Board Meeting, HTC |
| Dec. 4 | All Season Flyer Celebration
Jordan Field |
| Dec. 15 | Deadline for AMA Dues Payment |
| Dec. 31 | Deadline for TCRC Dues Payment |
| Feb. 12 | TCRC Auction
St. Peter's Church
Richfield, MN |

AMA Dues

Every regular or junior member of TCRC should have received his/her AMA membership renewal notification in October.

AMA dues have not changed for 2004. The dues are:

Open	\$58
Senior	\$48
Junior	\$ 1

Deadline for dues renewal is December 15, 2004.

Take the time to complete your AMA membership renewal and send it in today. To save time and the price of a stamp, go to www.modelaircraft.org and renew online.

Remember that all regular and junior members of TCRC must belong to AMA. ☺

Pay Your TCRC Dues Today

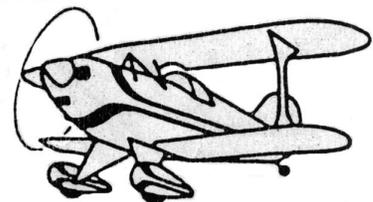
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How To Adjust A Two Needle Carburetor

by Paul Geders

Typically, carburetors come from the factory close to being pre-set. If you have torn down your carburetor for a thorough cleaning and examination or you just want it to run right, here's a good starting point.

With the throttle barrel in the full open position, close the high-speed needle until it stops. Then, back it out three turns. Now, with the throttle barrel almost closed, do the same thing with the idle mixture screw. This is your baseline.

Some carburetors have a throttle stop screw. Usually we set these so the air hole in the carburetor barrel completely closes off against the stop screw. This is so we can shut the engine off at full low throttle trim. When adjusting some idle mixture screws, the carburetor barrel wants to rotate and get pushed inward, making it a little difficult to get a good setting. All you have to do is lock the throttle arm so it cannot rotate or go in while you are adjusting the idle mixture screw.

Here are 10 easy steps for setting up almost any two-needle carburetor:

1. Start the engine and go to full power.

2. Set the high-speed needle to maximum power and back off about ¼ to ½ turn.

3. Go back to as low an idle as you can achieve.

4. Turn the idle mixture screw until the engine stops. While the engine is off, back the idle screw out ½ to ¾ turn.

5. Restart the engine at idle.

6. The engine should be idling pretty well.

7. Reset the high-speed needle to maximum rpm and back off 200-300 rpm.

8. Return to idle and let the engine idle for about 15 seconds.

9. Quickly move the throttle to full power and listen to the transition from idle to full power. If it instantly goes to full power, you are finished.

10. If it hesitates or sags a little, it is still too lean. Back out just ¼ turn. Repeat step 9.

When you are finished, at about ½ trim setting, you should be getting a good fast idle at high throttle trim. You should be able to shut the engine off at full low idle trim. That's all there is to it!

(Reprinted from Flight Lines, newsletter of the Spirits of St. Louis Flying Club, St. Louis, Missouri, Walt Wilson, Editor.) ☺

Batteries

If a battery is a battery, then consider going to RadioShack. You can purchase a 4.8v 600 mah nickel-cadmium cordless telephone battery (23-955) for a whopping \$5.97. Of course, the battery does NOT include the connector. Anytime a battery goes dead, always cut off the end just in case you may need it later. As you can see, it pays off!

For you 6v flyers, RadioShack has nickel-metal hydride 600 mah telephone batteries (23-952) for \$4.97. Of course, no end is included. Once again, go to your bag of cut off ends and solder one on.

Please note that some receivers will work with both 6v and 4.8v batteries (check your receiver specifications before trying). The advantage of 6v batteries is they give faster servo response time and give more pulling power. Try one someday, you'll notice a big difference!

(Reprinted from Plane Talk News, newsletter of the Des Moines Modelaires, Des Moines, Iowa, Ray Pick, Editor.) ☺

TCRC meets every month on the 2nd Tuesday at 7:00 PM in room H195 at the South Hennepin Technical College located at 9200 Flying Cloud Drive (Highway 212) in Eden Prairie. Guests are welcome to attend these meetings.

Editor, Jim Cook
1075 Miller Street
Shakopee, Minnesota 55379

No Trick Or Treating At Jordan



Halloween morning seemed a good time for a bunch of the TCRC pilots to go to the Jordan field for a few flights. The sky was a little overcast but the temperature was nice and there was no wind. There aren't a lot of these days left this year. (Photo by Pat Dziuk) ☺

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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