

Propbusters

Publication of
Rapid City Propbusters
Radio Control Club

NEWSLETTER

AMA Charter 591 - Rapid City, South Dakota and the Black Hills Area

Volume 49 Issue 2

News & Notes

Tell all your modeler friends about the swap meet at the March meeting -- especially those who have stuff you have had your eye on for some time.

The Academy of Model Aeronautics presents the 81st National Aeromodeling Championships (Nats). The outdoor events, to be held at the International Aeromodeling Center in Muncie, Indiana, start with the 2007 Pylon World Championships beginning June 23. The outdoor Nats events will follow, running June 29-August 5. For more information or a detailed schedule of events, please visit www.modelaircraft.org/events/ or call (765) 287-1256

New Arrivals

We are Expecting Twins in 2007



by Jim Tiller

Wayne Zimmerman is the acknowledged twin expert in our club. He has flown his extensively modified Tiger for several seasons and I'm sure all of you have seen how much fun he has been having. This year, Wayne will not be the only pilot at Propbuster field who will hear that wonderful sound of two engines in unison.

Several others will be joining his ranks. Denny Bernal has re-engined his B-25 with O.S. .46 AX's to improve the performance and reliability. I thought it was plenty fast last summer with 2 .40's so this summer should be real interesting.

The first new mount will probably be Gene Steeley's. He is now finishing a Nitro Planes P-38. I believe it will be powered by a couple of 4-strokes. According to Gene, it has been a pleasant project, even though Nitro Planes instructions leave more than a little to the modeler's discretion. The last I knew, he was waiting for engines to complete the project. By the time you read this it may be in the air.

Although I cannot confirm it, rumor has it that Doc McGuigan is in possession of a Hanger 9 twin. If it is the one I think it is, it will require two .60 size engines.

Flight Trimming

Here's How to Make it Fly Right

From The Eagle's Nest, St. Clair County, Michigan by Jack DeLisle

Proper Center of Gravity (CG)

Method A: Roll model inverted.

- A. Slight down elevator required for level flight—no adjustments.
- B. Significant down-elevator required to sustain level flight—move battery pack backward.
- C. No down-elevator required for level flight—move battery pack forward.

Proper CG

Method B: From level flight, roll model to a knife-edge.

- A. Model falls without dropping nose or tail—no adjustments.
- B. Nose drops - move battery back.
- C. Tail drops—move battery forward.

Engine thrust up/down

Method: From level flight out around 100 yards, pull to a vertical climb directly in front of you, release sticks.

- A. Continues straight up—no adjustments.
- B. Pitches toward wheels—decrease down thrust.
- C. Pitches toward canopy—increase right thrust.

Engine thrust- left/right

Method: Fly model straight and level into the wind and pull vertical.

- A. Straight up—no adjustments.
- B. Veers left—increase right thrust.
- C. Veers right—decrease right thrust.

Knife-edge flight—pitch & roll

Pitch Method: Fly model into wind, maintaining knife-edge flight with minimal rudder. Do this from each direction.

- A. Knife edge without deviation—no adjust-

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Propbuster Meeting Minutes



Flight Trimming

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January 9th , 2007

Meeting called to order at 7:27 PM at the Beanery in the Creamery Mall.

Officers present: President- Doc McGuigan, Vice President- Darrell Cassidy, Treasurer- Denny Bernal, Secretary- Ken Corrin

Members present: Bob Olson, Gene Jobgen, Ray Hrachovek, Mike Wagner, Ben Roller, Jim Tiller, and our new member Jerry Bernal

Treasurers report:
Club\$ 5584.47
Maintenance fund ..\$ 2580.76
Total\$ 8165.23

Old business:

The Proposed Event Schedule for 2007 was discussed and CD's were assigned for the fun fly events. Motion by Jim and seconded by Darrell

that we approve the calendar for 2007. Motion carried.
Motion by Jim and seconded by Darrell that the club buy the hot dogs for the Hot Dog Flys. Motion carried.

New business:

Gene inquired about the rules for racing. Members agreed that any airplane/engine combination running 10% fuel would be allowed to race. The only rule is to have fun.
Denny read a letter from AMA President Dave Brown published in the Model Aviation magazine that stated that "club treasurers are among the most underappreciated officers in most clubs." After we stopped laughing we all felt very sorry for Denny for the next minute or so.

The Prop Restoration Fund was won by Ken.

Meeting adjourned at 8:35 PM.

ments.
B. Pitches toward landing gear—mix up-elevator with rudder.
C. Pitches toward canopy—mix down elevator with rudder.

Roll Method: Fly model into wind: do this from each direction, maintaining knife-edge flight with minimal rudder.
A. Model continues on knife edge without deviation—no adjustments.
B. Model tries to roll—mix in opposite aileron with rudder.

Aileron differential

Method: Fly model level heading into the wind or downwind. Pull to a 45-degree climb, and roll with aileron.
A. Model rolls without yaw—no adjustments.
B. Model exits yawed in opposite direction of roll—increase differential. Increase up throw on aileron.
C. Model exits yawed in direction of roll—decrease differential. Decrease up throw on aileron.

Hints and Tricks

Removing Epoxy

To remove epoxy from yourself safely, use white vinegar. It's smelly, safe, and very cheap!

—Prop Spinner Chatter Eugene OR

Removing Epoxy II

Wash your hands with hand lotion. It is not smelly. It's safe and very cheap -- as long as you don't use the stuff your wife paid big bucks for at the beauty shop.

--- Tips, R/C Report

Convenient Cleanup

Need a cheap airplane cleaner? Use baby wipes—those soft wipe tissues that come under various brand names and are packaged in handy plastic boxes. They remove oil well and the lanolin acts like a polish.

-- Hanger Talk, Orange City, Iowa

Wire bending

When bending identical parts from small gauge wire, tape the wires together and bend both simultaneously.

-- Prop Spinner Chatter, Eugene OR

Twins

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Zac Roller was almost the recipient of a rather large Grumman Tigercat from KMP. It arrived at his door in a very large crate delivered by truck, but the crate had significant shipping damage and had to be returned.

Ben Roller has a .15 size twin that he kit bashed from a Eagle trainer. He has quite a bit of time on this airplane and I'm sure he will bring it out when other twins are in attendance.

I will also tell you that your newsletter editor is now in the possession of two .46 AX's. That is about the extent of the information I can relay at this time. The rest will depend on the benevolence of the building God's.

Seen on the back of beat-up pickup:

Man cannot live by bread alone, unless he's in a cage and that's all you feed him.

Rapid City Propbusters R/C Club

Approved Event Schedule for 2007

January

Sunday 01/01 -- 10 A.M. Frost Your Buns Fly.
Tuesday 01/09 -- 7:30 P.M. Monthly Meeting.
Sunday 01/21 -- 10:00 A.M. Fun Fly or Ice Fly at New Underwood Lake. FFD: Gene Jobjen.

February

Sunday, 02/11 -- 10:00 A.M. President's Day Fun Fly. FFD: Bob Olson
Tuesday 02/13 -- 7:30 P.M. Monthly Meeting.

March

Sunday 03/04 -- 9:00 A.M. Promised Land. Spring Races.
Tuesday 03/13 -- 7:30 P.M. Monthly Meeting and Swap Meet.
Sunday 03/24 -- 9:00 A.M. Field Day. Work and fun fly.

April

Sunday 04/01 -- 9:00 A.M. Spring Fly Fun Fly. FFD: Jim Tiller
Tuesday 04/10 -- 7:30 P.M. Monthly Meeting.
Saturday 04/15 -- 8:00 A.M. Field Day. Work and fun fly.
Sunday 04/29 -- Lunch at 12:00 P.M. Hot Dog Fly. FFD & Chief Chef: Doc McGuigan

May

Tuesday 05/08 -- 7:30 P.M. Monthly Meeting.
Saturday 05/08 -- 8:00 A.M. to 2:00 P.M. SDASM Show and Electric Fly.
Saturday 05/19 -- Custer State Park Float Show. Stockade Lake. Air Show at 10:00 A.M.
Sunday 05/20 -- All day. Fun Fly at Custer State Park Airport.

June

Saturday 06/03 -- 7:00 A.M. Float Fly -- Fun Fly if bad float weather. FFD: Ken Corrin
Sunday 06/10 -- All day. Promised Land Fly and Eats. Members and guests.
Tuesday 06/12 -- 7:30 P.M. Monthly Meeting.
Thursday 06/21 -- 5:00 P.M. Solstice Hot Dog Fly. FFD & Chief Chef: Ben Roller.

July

Wednesday 07/04 -- 7:00 A.M. Promised Land. Firecracker 46 Air Races.
Sunday 07/08 -- 7:00 A.M. Float Fly. FFD: Denny Bernal
Tuesday 07/10 -- 7:30 P.M. Monthly Meeting.
Sat/Sun 07/21-07/22 -- Dickinson, ND. Rib Eye Fun Fly.
Thursday 07/26 -- 5:00 P.M. Hot Dog Evening Fly. FFD & Chief Chef: Zac Roller.

August

Saturday 08/04 -- 7:00 A.M. Fun Fly.
Thursday 08/09 -- 5:00 P.M. Hot Dog Evening Fly.
Sunday 08/12 -- 10:00 A.M. Interstate Fun Fly. Area Clubs invited. Hot Dogs at Noon.
Tuesday 08/14 -- 7:30 P.M. Monthly Meeting.
Sunday 08/25-08/26 -- Minot, ND Little International.
Sunday 08/26 -- 7:00 A.M. Float Fly.

September

Thursday 09/06 -- 5:00 P.M. Hot Dog Evening Fly.
Sunday 09/09 -- 8:00 A.M. Float Fly/Fun Fly.
Tuesday 09/11 -- 7:30 P.M. Monthly Meeting.
Sunday 09/23 -- 8:00 A.M. Equinox Races.

October

Sunday 10/07 -- 8:00 A.M. Warbird Fly.
Tuesday 10/09 -- 7:30 P.M. Monthly Meeting.
Saturday 10/27 -- 9:00 A.M. Halloween Fly.

November

Sunday 11/04 -- 9:00 A.M. Campaign Fun Fly.
Tuesday 11/13 -- 7:30 P.M. Monthly Meeting.
Sunday 11/18 -- 10:00 A.M. Turkey Fun Fly.

December

Sunday 12/02 -- 6:00 P.M., Happy Hour, 7:00 P.M., Dinner. Christmas Banquet.
Sunday 12/16 -- 10:00 A.M. Winter Solstice Fly. Ski flying hopefully.



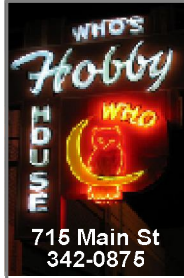
Propbuster Picture Album

Right: Here's a sight you don't see every day -- and it is from an air show in California with no help from Photoshop.



Above: Let's go racing.

Right: Zac Roller's New Electric SE 5.



Specifications
Wingspan: 81"
Wing Area: 914 sq in
Weight: 17 - 20lb
Wing Loading: 43 - 50oz/sq ft
Length: 66"
Requires: Two .46 cu in 2-stroke engines & minimum 6-channel radio w/8 servos (8-9 channel radio w/9 servos required for optional retracts)

Scale detail, twin-engine power -- and ARF ease.

**List: \$599.99
Our Price: \$499.99**



Introduced in 1954, the full-size Cessna 310 remained in production for 27 years. Clearly, Cessna was doing something right. Top Flite Gold Edition models enjoy a similarly strong demand -- and this nearly 1/5 scale ARF twin's quality and detail show why.

Coming Events

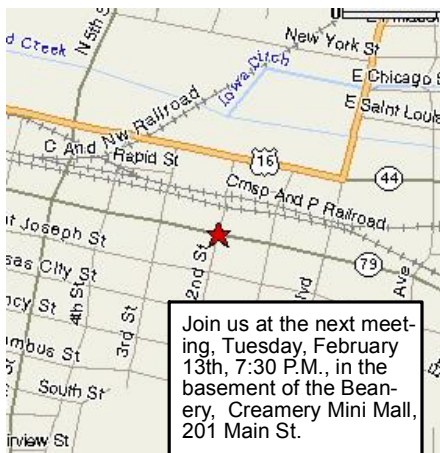
- 02/11 - **Lincoln Fly.** 10:00 A.M. Everyone welcome. Stove pipe hats welcome, but not required. FFD: Bob Olson
- 02/13 - **February Meeting.** 7:30 P.M. Everyone welcome.
- 03/04 - **Spring Races.** 9:30 A.M. Promised Land. Inaugural Races for the 2007 season. LA's vs Spacewalkers. FFD: Doc McGuigan
- 03/13 - **March Meeting.** 7:30 P.M. Everyone welcome.
- 03/24 - **Field Day.** 9:00 A.M. Field Work and fun fly.
- 04/01 - **Spring Fling.** 9:00 A.M. Fun Fly. Bonus points for the best April Fool's joke. FFD: Jim Tiller
- 04/10 - **April Meeting.** 7:30 P.M. Everyone welcome.

PROPBUSTERS MONTHLY NEWSLETTER

Officers

- President.....P.M. McGuigan, MD 348-6676
- Vice PresidentDarrell Cassidy 716-3500
- TreasurerDennis Bernal 342-5209
- SecretaryKen Corrin 342-3663
- EditorJim Tiller 341-9135
- AST Manager..P.M. McGuigan, MD 348-6676

2815 Maple Av
Rapid City, Sd 57701



Join us at the next meeting, Tuesday, February 13th, 7:30 P.M., in the basement of the Beanery, Creamery Mini Mall, 201 Main St.