

May 2005

THE



SIGNAL SQUEAKER

Chartered Club #371

A. M. R. C. C. Member

THE OFFICIAL MONTHLY NEWSLETTER OF THE SIGNAL SEEKERS R/C CLUB

PRESIDENT	<i>Bob McDonald 734-421-4330, 28746 Westfield, Livonia MI 48150</i>
VICE PRES.	<i>Bob Kane 734-281-8514 902 River Ct., Wyandotte, MI 48192</i>
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NEWSLETTER	<i>Jerry Wino P.O. Box 614, Garden City MI 48135</i>
TRUSTEES	<i>Bob Dunlap, Randy Ryan, Al Junko, Jay Dunkin (alt.)</i>

MEETINGS *Fourth Monday of every month at Garden City Log Cabin at 7:30 PM*

Next Meeting: Monday, May 22 at the Maplewood Center

It's May already and the birdies are chirping. Flying season is in full swing and there are plenty of skies to be had. I'm waiting for a schedule of summer events for all around this region for this season, and hope to have something by the next issue of this newsletter comes out.

As you will read in the minutes herein, the hotly debated subject of the summer Porta-Potty has been decided on and it turns out that we will have one through October.

The newsletter is brief this month and that's all there is for now folks!

Happy Flying!!

SIGNAL SEEKERS RC CLUB MEETING

Meeting Date: April 25, 2005

Meeting was called to order by President Bob McDonald and the roll call was taken.

REPORTS:

- The Minutes were approved as written and the Treasurer's Report was approved as read.
- The field has been rolled to flatten out the mole hills.
- For the present time use the gardner's gate. Gate MUST be relocked when you go through it.

NEW BUSINESS:

- It was moved and passed to apply grub control to the field, 30 bags will be required. A work party was scheduled for the week following the meeting to apply the grub control.
- It was moved and passed, after much discussion, to have a Porta-Potty on site from May through October.

MONTHLY RAFFLE:

- Centering Tool:- Mike Ptak.
- Monokote:- Clayton Herrst.
- Sanding Bar:- Larry Coulson and Bob Lucasic.
- Prop:- Paul Blanchard and Floyd Gregory.
- Bottle of CA:- Clayton Herrst.

SHOW AND TELL:

- Stu Weckerly brought in a rubber band powered Spitfire that weighs 14 grams.
- Ken Johnson Showed his scratch built cunard Sweepie powered by a Como 40.
- Bob Kane had some videos of various interesting flying events that he showed during the break.

Washout: advantages and disadvantages

"Every airplane needs washout, even a biplane," said Claude McCoullough, the famous designer for Sig.

I'm not sure that every airplane needs washout, but most do, especially the scale airplanes that Claude designed.

Washout is a twist in the wing from root to tip. This twist is usually three degrees but in rare cases can be more.

Washout forces the wing near the fuselage to meet the air at a more positive angle than the tip. As the model pulls its nose up and increases the overall angle at which the wing meets the air, it will eventually achieve the stall angle at which lift ceases. With washout, the inner wing will stall first and gradually progress towards the tips. This is desirable because the loss of lift at the center will lower the nose and prevent further stalling. Meanwhile, aileron control is maintained even though the wing is partially stalled. But there's much more. Consider the typical World War II fighter. A fighter will have a wing incidence at the root of about 2-degrees and a washout of about one and a 1/2-degree. At top speed, the incidence angle of the tip is 0-degrees.

Drag at the tip is minimized and there is very little loss of lift by air creeping around the wingtip—very efficient for maximum speed. In addition, the up-going aileron causes the same drag as the down-going aileron, so that roll causes no yaw. Yawing with the rudder does not change the lift at the tips, so yaw does not induce roll. This is just what the fighter pilot needs for gun aiming, and what the modeler needs for precise scale flight.

Washout is a must in airplanes with long, thin, or pointy wings. Some can't fly without it. Next time you are at the airport, notice the washout of the airliners there. It's huge for safety and fuel efficiency.

Most biplanes don't need washout because one wing is typically set at a higher incidence angle, and one wing will stall before the other. Ailerons must therefore be on the wing with the lower incidence angle. Washout has a dark side; it can interfere with aerobatic performance. In inverted flight, washout becomes washin and all the bad things that washout prevents in upright flight become worse in inverted flight. Snap rolls and spins, which require the wing to stall on command, can be difficult to start and control. Adverse yaw varies with airspeed. Scale models of fighters are only mildly aerobatic. Fully aerobatic airplanes generally do not include washout.

Summary: Washout improves aileron response at all airspeeds, reduces adverse yaw and softens the stall, but only in upright flight.

from Flare-out
Twin City Radio Controllers
Jim Cook, editor
Minneapolis NM

SUBJECT: SIGNAL SEEKERS R/C CLUB DUES FOR 2005.

SS05DUES

1. THE FOLLOWING RECEIVE FREE DUES FOR SELLING 100 OR MORE CHRISTMAS RAFFLE TICKETS: DOUG BEAVER, ROBERT BROOKS, GEORGE COOLEY, DARREN COVINGTON, JAY DUNKIN, JAMES ESPER, MATT GLADD, JOSEPH KOWALSKI, TIMOTHY TOWNLEY, TOM VASILOFSKI, DARREL WARREN. NOTE: CLUB OFFICERS, NEWSLETTER EDITOR (JERRY WINO), NEWSLETTER PRINTER (MIKE FERGUSON), CHANNEL IDENTIFICATION PIN NUMBERS (DAN ROSS), AND FIELD GRASS CUTTING (DARREN COVINGTON) ARE NOT REQUIRED TO PAY DUES.

2. HONORY MEMBERS: TO BE DETERMINED.

3. THE FOLLOWING INDIVIDUALS HAVE PAID THEIR 2005 DUES:

NAME	DATE PD.	NAME	DATE PD.	NAME	DATE PD.
RAYMOND ZELLNER	12/16/04	RICHARD SAWICKI	12/16/04	FLOYD GREGORY	12/16/04
ROBERT PENCE	12/16/04	NICK BARACOS	12/16/04	STUART WECKERLY	12/16/04
MIKE FERGUSON (JR)	12/16/04	WALTER KOPACZ	12/27/04	AL JUNKO	01/24/05
LARRY COULSON	01/24/05	CHARLES LEE	01/24/05	ROBERT DUNLAP	01/24/05
KEN JOHNSON	01/24/05	JAMES CUMMINS	01/24/05	TOM MELITA	01/24/05
EUGENE HILDEBRANDT	01/24/05	ROBERT LAKASIK	02/28/05	DANIEL McLALIN	02/28/05
QUINTEN RAY	02/28/05	ART ADAMBIN (BIG ART)	02/28/05	LARRY LETKE JR.	02/28/05
LARRY LETKE SR.	02/28/05	DENNIS SUMNER	03/03/05	PERRY TUTSOCK	03/07/05
ROB BUSSINGER	03/18/05	GEORGE BALOS	03/28/05	RANDY RYAN	03/28/05
JOHN HARTMAN	03/28/05	PAUL BEDDARD	03/28/05	EDWARD LAICH	03/28/05
ROLAND ROBERTS	03/28/05	MARK KNOTE	03/28/05	BILL ROGERS	04/10/05
CRAIG MARKYVECH	04/11/05	ROBERT SCOTT	04/14/05	LYNN ROGER (S)	04/14/05
Michael Reinink	05/01/05				

NOTE: ANY ERRORS OR OMISSIONS, PLEASE INFORM ME. INDIVIDUALS WHO PAY BY MAIL, MUST PROVIDE PROOF OF "05" AMA MEMBERSHIP AND A SELF ADDRESSED/STAMPED ENVELOPE. BARNEY POLZIN (734) 728 3029. 04/14/05

Think you know everything...

- * Two-thirds of the world's eggplant is grown in New Jersey.
- * The longest one-syllable word in the English language is "screeched."
- * On a Canadian two-dollar bill, the flag flying over the Parliament building is an American flag.
- * No word in the English language rhymes with month, orange, silver, or purple.
- * "Dreamt" is the only English word ending in 'mt.'
- * All 50 states are listed across the top of the Lincoln Memorial on the back of a \$5 bill.

From the Mississinewa
Skyhawks Newsletter
Dave Hecker, editor
Wabash IN



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