



WHAM

NEWS, VIEWS and REVIEWS

Issue JE-87
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and the Kansas Sunflower Squadron, FAC Squadron #23

The Ultimate D/T

Through the years I have seen many forms of dethermalizer designs on plans of both kits and magazine articles. They run the full gamut from good to really ridiculous. If you think the D/T on the bottom stab Fu-Bar is bad, take a look at the Veco Navajo. I think that it takes the prize. Frank Ehling's Jasco designs are not as bad but have many rubber bands running fore and aft around the vertical tail in a force-balance system that is overly complex and unnecessary.

Some years ago, while building as many as 7-8 of a particular kit design, I never realized that here was the very best design of a D/T that was ever configured. It was only later that the realization struck me that this was the ultimate design for a pop-up stab F/F D/T. Since that time, I have used it on gas and rubber models alike with great success and have come to feel strongly about it. The kit model was the 1/2A Smarty by Southland Model Co. I will describe the geometry and principles of operation in conjunction with a drawing in order to clarify it a bit.

The stabilizer should be built with 2 ea. 1/8" sht. false ribs from the leading edge back to the front spar. These are to be spaced equal distance out from the center line so as to locate them just outside the sides of the fuselage. Into these 2 ribs are placed .032 up to .063 music wire hooks. The small wire size is for small models such as .020 and .049 where the weights, mass and loads are low. The larger wire sizes are naturally for bigger .29-.35 powered models such as a Sandy Hogan or Super Flash. The wire hooks are shaped like a horizontal question mark that is run into the vertical ctr. Of the L.E. and back into the false rib far enough to take the tension loads of rubber bands hooked between them and run under the fuselage to tip the stab up with authority. Use a tiny drill here to provide a pilot hole for the hooks and avoid screwing up your L.E. and weakening it. The stab is retained down in its flight position in the usual way with 2 wire hooks, one in the T.E. of the stab center, and the other located in the bottom of the tail of the fuselage. An alum. fuse snuffer tube is in the center between them and the usual orthodontic rubber band is stretched between them. There is nothing different here from the usual design familiar to us all.

Now comes the important part of the exercise that leaves the string stops and monkey motion behind. A triangular strip of wood is placed on the fuse as a stop for the stab L.E. to rotate up against when it pops up -- not unusual, okay. The stab is to rest on a sht. platform on top of the fuselage and the front 1/2" of this platform is to be plywood of the same thickness as the rest of the platform. This ply L.E. is to be wide enough so as to have the question mark wire hooks bear against it when the stab. Is popped up. The relative distance between the platform ply L.E. and the triangular fuse. stop will determine the angle of the deployed stab. If you get this wrong you can add a hard shim to the back of the tri. stop, or file notches in the ply L.E. to get it right at about the favored 40 - 45 degrees. This system is simple and positive and has the fewest parts count. Give it a try and you will use it on everything.

All the Best, Wen Mac Bill, Bill Schmidt

July 17, 2010 Meeting Minutes

ATTENDEES:

Mary Kay and George Avila, Les DeWitt, Paula & Jeff Englert, Jane & Earl Griffith, Danese & Bill Lindsay, Marty & Jim O'Reilly, Eleanor and Jack Phelps, Charlene & Ed Salguero, Marilyn and Bill Schmidt, Lori & Terry Trishler, Dan Walton.

Vice-President Schmidt called the meeting to order.
The previous meeting minutes were approved as read.
The treasurer's report was read by the treasurer, Jim O'Reilly

OLD BUSINESS:

None.

NEW BUSINESS:

None.

SHOW AND TELL:

Jeff Englert showed off his almost completed Cirrus Cruiser, built while attending FAA training in OKC.

Bill Schmidt displayed his 1934 Bunch Stratosphere, which was pictured in the last newsletter.

Dan Walton presented his RC Cloud Tramp and Stringless Wonder.

Heart of America Free Flight Association



**AMA
Sanctioned**

10th Annual HAFFA Outdoor Contest / NFFS National Cup Meet

October 2-3, 2010

**** CONTEST SITE ** -- Marion Municipal Airport, Marion, KS 66861**

This is a Category III site. [Site information and lodging shown on reverse]

CONTEST DIRECTOR/ Event Directors:

Mike Basta – Contest Director	Abe Gallas (SAM events)	Jeff Englert (FAC events)
9135 Hall Dr.	9512 W. 131st St.	10118 Sterling Ct.
Lenexa, KS 66219	Overland Park, KS 66213	Wichita, KS 67205
913-492-4830	913-897-5090	316-722-7491
email: mdb713@everestkc.net	email: agallas196@aol.com	email: jenglert@cox.net

ENTRY FEES: OPEN -- \$15.00 1st event, \$5.00 each additional event (\$25 max)
 JR ** & SR - \$5.00 unlimited events

SCHEDULE OF EVENTS:

SATURDAY EVENTS – 8:00AM – 5:00PM

- National Cup Events (Senior/Open)

Nos Power	AMA	Classic	AMA Rubber	AMA Glider	Nos Rubber
Small Nos Combo ($\frac{1}{4}$ A, $\frac{1}{8}$ A, and Early $\frac{1}{8}$ A)	$\frac{1}{2}$ A ** A/B Combo	$\frac{1}{2}$ A **	P-30 ** Moffett	CLG ** Classic Tow	Rubber & Wakefield
B/C Combo					

- AMA Event – 12g (Bostonian)
- FAI Events – F1A, F1B, F1C (7 rounds)
- SAM Events – Small rubber cabin/stick (combined), Ignition event [SAM-legal, hand launch, 20-sec ER, AB&C SAM rules, 2 min MAX]
- FAC Events – Golden Age Civil Scale, Old Time Plan/Kit Scale, Jimmie Allen, Thompson/Greve Combined Mass Launch @ 10:00 AM

SATURDAY NIGHT BANQUET: Details will be announced on Saturday morning.
 Reservations and payment will be accepted at that time.

SUNDAY EVENTS – 8:00AM – 3:00PM

- National Cup Events (Senior/Open)

Nos Power	AMA Power	Classic	AMA Rubber	AMA Glider
A	C/D Combo	A/B * C/D *	Mulvihill	HLG **

* A/B, C/D Classic Power are not combined events
 but definitions of engine displacement limits

- FAI Events – F1G, F1H, F1J (5 rounds)
- SAM Events – .020 Replica, OT HLG
- FAC Events - Golden Age Modern Scale, Embryo, WWI Mass Launch @ 9:30 AM, WWII Mass Launch @ 12:30 PM

AWARDS: A new high-point award (The Marion Cup) will be presented by the Mayor of Marion on Sunday afternoon.

**** JUNIOR EVENTS** can be flown either day; however, all flights for each event must be completed on the same day unless a flyoff is required.

WHAM – News, Views and Reviews
Jeff Englert
10118 Sterling Court
Wichita, KS 67205



**FLYING
ACES**



**Sunflower Squadron
Wichita, KS**

The next SAM 56 Dinner Meeting will be at:

**Cortez Mexican Restaurant
344 W. 29th St.**

Saturday, September 25, 2010

Social Hour @ 6:00 PM, Dinner @ 7:00 PM.

2010 FLYING SCHEDULE

September 25-26 Meeting – Cortez, fly, 1/2a Texaco, 1/2A Scale, Small Rubber

October 2-3 10th Annual HAFFA Contest, Marion KS

October 9-10 Jimmy Allen, fly FAC Moth, FAC Golden Age

November 6-7 Fun Fly Meeting November 13th

Membership Information:

Open to all interested AMA members, founded to encourage and promote the model airplane building hobby. Member dues \$20 annually, Subscription only; \$12 annually, \$18 foreign.

Send checks to Jim O'Reilly, 4760 Battin, Wichita, KS 67220.

All memberships and subscription renewals are due January 1st of the new year.

Club Officers: President: Earl Griffith,

Vice-President: Bill Schmidt 744-0378,

Treasurer: Jim O'Reilly, 744-0856

Secretary: Jeff Englert, 722-7491