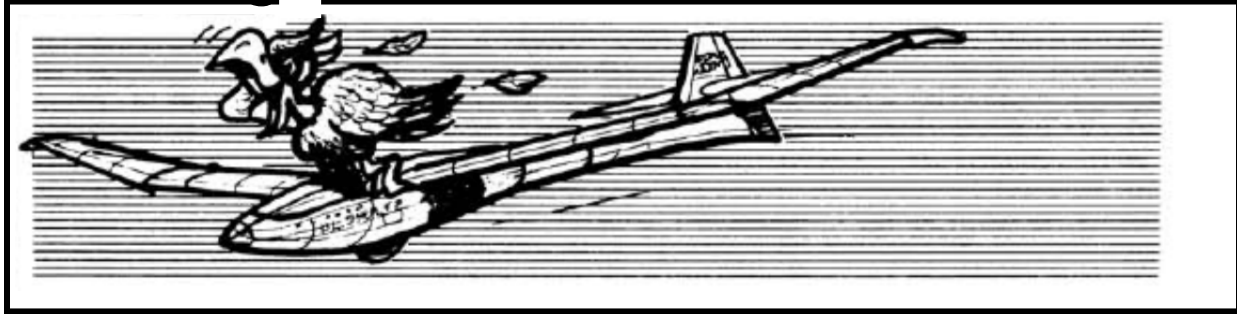




President: Harvey Jenkins Contest Dir: Eber Graham
Vice President: John Barr Treasurer: Bruce Aveson

Equipment Manager: Major Anderson

Soaring



Keith Kindrick June 2014

It has been a quiet past 2 months yet our guys have been sport flying up a storm. I have finally seen the new SWSA 2 meter and it looks great! Our guys (Harvey Jenkins, Frank Corsaro, and John Barr) have been designing the club 2 meter which I mentioned in the March issue. Here is what Frank sent me on the new bird.

The wing has 670 square inches in it using a medium aspect ratio for a 2 meter span of 78 inches.. Laser cut ribs are used to speed up the assembly. It weighs in at 27 ounces to keep the wing loading to 5.8 ounces per square foot. This is critical for the Drela AG35 section. This section has been designed for built-up heavier 3M poly gliders.

Drela AG35 airfoil

Max thickness 8.7% at 27.9% chord.

Max camber 2.3% at 37% chord

If you want to obtain the airfoil coordinates please visit www.charlesriverrc.org website for them. (I have included a plot of the polars for the [Comparison: ag37, ag35,](#)

[s3021 \(re70k\)](#) sections for your enjoyment – KK)

John Barr is also playing with the S3021 airfoil) as an optional airfoil. Assembly instructions and full size CAD drawing will be available. The cost of a Laser Cut "rib-set" and "formers" been initiated and we are waiting for a price from our Laser parts cutters.

Harvey designed this 2M ship about 6 years ago with his desire for a competitive homemade woody driven by the performance of the 3M Topaz. So the design base was sound and has proven this being flown for 5 years winning most of the club 2M awards. The Harvey Special aka SWSA 2M entered the SC2 circuit winning the monthly 2M and Woody flier of -the year-of the year for many years. It has a proven record.

Harvey was thinking about building another one recently. The only thing missing were drawings or documentation. To help him I decomposed after the most recent crash a



sketch together from 2012 (documenting what I could see,, pretty good but missing detail). 6 months ago we assembled the Design team (Harvey Jenkins, Frank Corsaro, and John Barr). Harvey then used the plans John designed using his CAD system plans then scratched out the parts for a second glider. It flew like the original and it looks like we have a winner! Proven results took place when we flew it 2 weeks ago.

We should have detailed cost and kit tradeoffs near term,,, perhaps 3 weeks

Thermals, Frank



Nose end of the machine



Design team with their new design



First landing of the day



John Barr shows us the front view

That is it for this month.

Thermals to all ~ Keith



Thanks!
Mike Lee

If you have any events let me know

2014 Contest Schedule

Sunday, July 06, 2014	SWSA CLUB	TBA
Sunday, August 10, 2014	SWSA CLUB	Tony Brooks
Sunday, Sept 07, 2014	SWSA CLUB	James Smith
Sunday Sept 21, 2014	Wilson Cup	CVRC
Saturday & Sunday Oct 4-5, 2014	VISALIA FSF	CVRC
Sunday, Oct 12, 2014	SWSA CLUB	Keith Kindrick
Sunday, Nov 09, 2014	SWSA CLUB	Edgar Vera



Possible event

The Inland Soaring Society is looking into what interest level there is in holding a man-on-man ALES event on the weekend of August 2. We had a decent turnout last year and we truly enjoyed it. But we need to know how many pilots will be interested in this event before we commit to it. This is due to the high cost of the field rental. So, if you want to fly an ALES event with us, and fly five (5) or more rounds, let me know....but do it quick or we lose that date. Oh and remember that we fly open class and what we call, Production Foamie class. That's for the mass-produced models like the Radian, Cumilus, EZ glider, and so on. Lots of fun!

Also, see this thread in the Electric sailplane section in www.rcgroups.com for more information.

